



'CFENC' Website Project Y3S1

Development/Programming
Process (Part 2)

Daniel Wilkins

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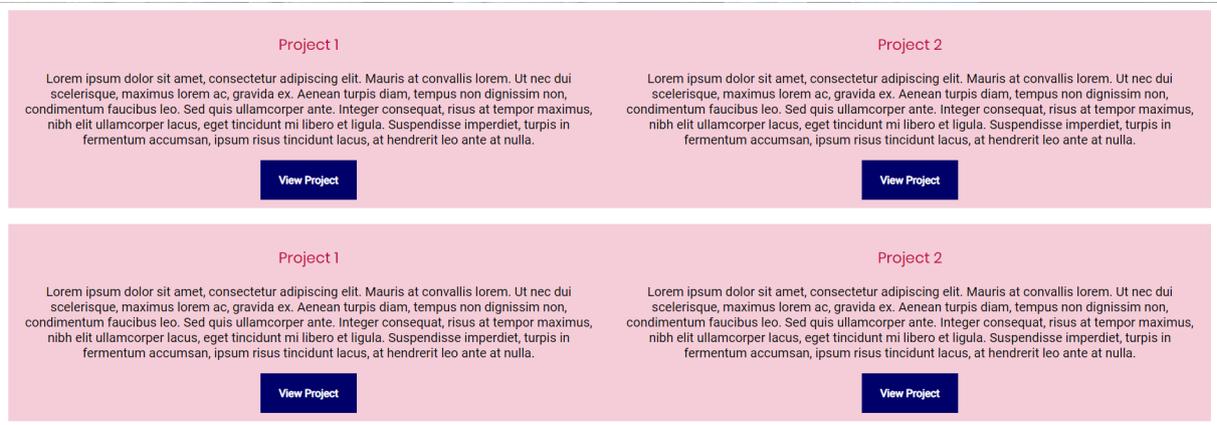
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Building the Projects Page

Examples of Processes and Challenges During this Stage

Whilst working on building the projects section of the page and after establishing the 'Flexbox' for this section, I then realised that I had the following problem where the projects placed underneath the highlighted project would join and not be evenly spaced apart:

The Problem Explained above on the Projects Section of the 'Projects' Page



I therefore added padding as I thought that this would help to space each container and create some white space around but unfortunately, this didn't work as will be seen below:

Adding 'padding' to these Sections in the CSS file

```
.other_projects_container1 {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
  padding: 10px;
}

.projects_flex2 {
  background: none;
  width: 50%;
  height: auto;
  padding: 10px;
  align-content: center;
  background: rgba(199, 6, 59, 0.2);
}

.projects_flex3 {
  background: none;
  width: 50%;
  height: auto;
  padding: 10px;
  align-content: center;
  background: rgba(199, 6, 59, 0.2);
}

.other_projects_container2 {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
  padding: 10px;
}

.projects_flex4 {
  background: none;
  width: 50%;
  height: auto;
  padding: 10px;
  align-content: center;
  background: rgba(199, 6, 59, 0.2);
}
```

The Effect of this on the Web Page (This had no Effect)

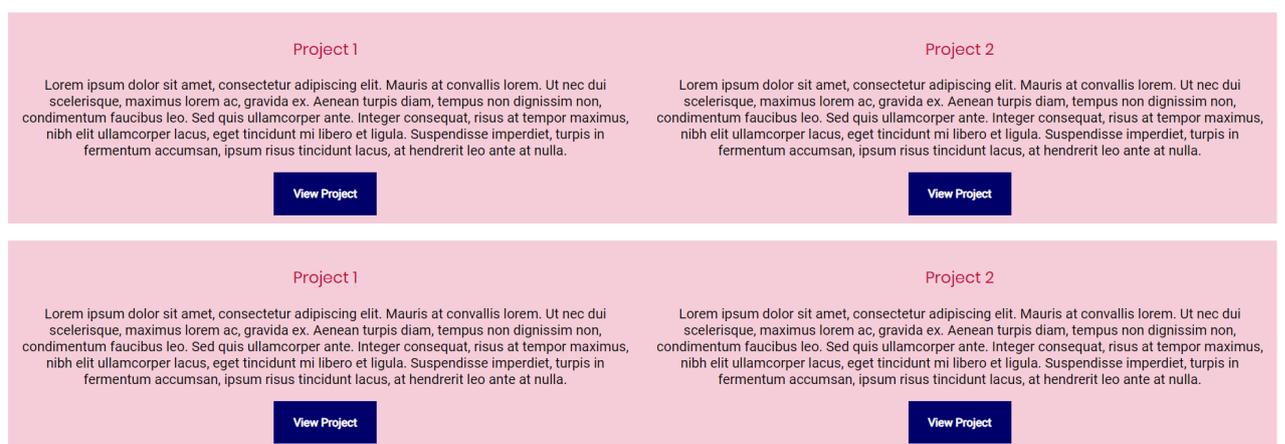


After the previous attempt, I then thought about creating a container for each of the projects but then realised that it would be better to add 'padding' to the whole section instead so I undertook this instead:

Adding 'padding' to the Whole Section in the CSS file

```
430
431 /* PROJECTS PAGE */
432
433 .p_projects_container {
434   width: 100%;
435   height: auto;
436   display: flex;
437   flex-direction: column;
438   justify-content: center;
439   align-items: center;
440   background: none;
441   padding: 10px;
442
443 }
```

The Outcome of this Change on the Web Page (This Didn't Work)



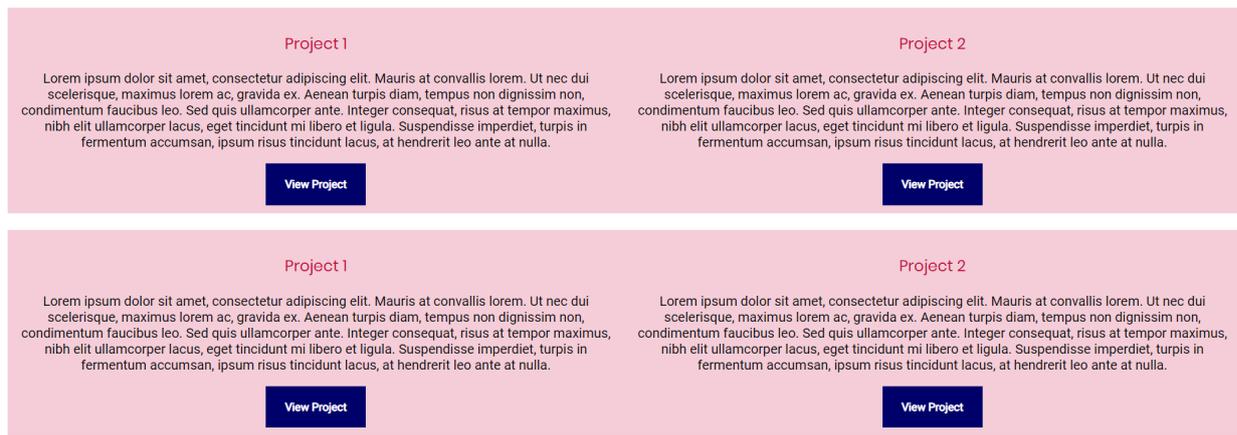
I then thought adding 'padding' to each individual container that contained the project content would help to space each container apart. This, however, produced the same outcome as the other attempts and didn't work either:

Adding 'padding' to each Individual Container in the CSS file

```
430
431 /* PROJECTS PAGE */
432
433 .p_projects_container {
434   width: 100%;
435   height: auto;
436   display: flex;
437   flex-direction: column;
438   justify-content: center;
439   align-items: center;
440   background: none;
441   padding: 0px;
442 }
443
444 .main_project_container {
445   display: flex;
446   flex-direction: row;
447   width: 100%;
448   height: auto;
449   justify-content: center;
450   align-items: center;
451 }
452
453 .projects_flex1 {
454   background: none;
455   width: 100%;
456   height: auto;
457   padding: 10px;
458   justify-content: center;
459   align-items: center;
460 }
461
462 .other_projects_container1 {
463   display: flex;
464   flex-direction: row;
465   width: 100%;
466   height: auto;
467   padding: 10px;
468 }
469
470 .projects_flex2 {
471   background: none;
472   width: 50%;
473   height: auto;
474   padding: 10px;
475   align-content: center;
476   background: rgba(199, 6, 59, 0.2);
477 }
478
479 .projects_flex3 {
480   background: none;
481   width: 50%;
482   height: auto;
483   padding: 10px;
484   align-content: center;
485   background: rgba(199, 6, 59, 0.2);
486 }
487
488 .other_projects_container2 {
489   display: flex;
490   flex-direction: row;
491   width: 100%;
492   height: auto;
493   padding: 10px;
494 }
495
496 .projects_flex4 {
497   background: none;
498   width: 50%;
499   height: auto;
500   padding: 10px;
501   align-content: center;
502   background: rgba(199, 6, 59, 0.2);
503 }
504
505 .projects_flex5 {
506   background: none;
507   width: 50%;
508   height: auto;
509   padding: 10px;
510   align-content: center;
511   background: rgba(199, 6, 59, 0.2);
512 }
513
514 .container {
```

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The Outcome of this on the Web Page (This Didn't Work)

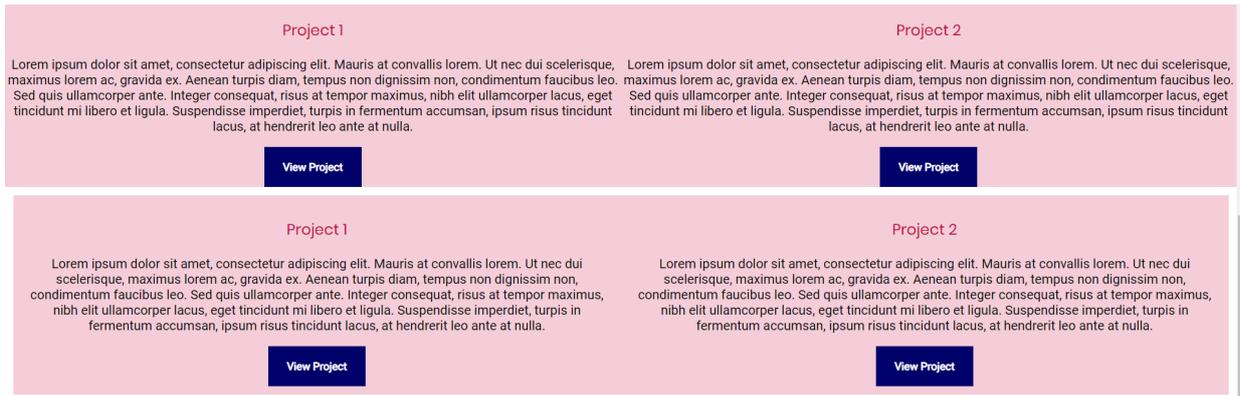


I then thought about adding a break tag to add space between each container but this didn't work either as will be evident below:

Adding the 'br' tag into the HTML file

```
<div class="other_projects_container1">
  <div class="projects_flex2">
    <h3 style="text-align:center;color:#C7063B;">Project 1</h3>
    <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
    <button class="buttons1">View Project</button>
  </div>
  <div class="projects_flex3">
    <br>
    <h3 style="text-align:center;color:#C7063B;">Project 2</h3>
    <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
    <button class="buttons1">View Project</button>
  </div>
</div>
<div class="other_projects_container2">
  <div class="projects_flex4">
    <h3 style="text-align:center;color:#C7063B;">Project 1</h3>
    <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
    <button class="buttons1">View Project</button>
  </div>
  <div class="projects_flex5">
    <h3 style="text-align:center;color:#C7063B;">Project 2</h3>
    <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
    <button class="buttons1">View Project</button>
  </div>
</div>
</div>
```

The Outcome of this Change on the Web Page (This didn't Work)



I then decided to change the width of each container as I thought this may stop them both from joining together but this didn't have any effect and caused the containers to not fill the width of the section:

Changing the width of a Couple of the Containers in the CSS file

```
470 .projects_flex2 {
471   background: none;
472   width: 40%;
473   height: auto;
474   padding: 0px;
475   align-content: center;
476   background: rgba(199, 6, 59, 0.2);
477 }
478
479 .projects_flex3 {
480   background: none;
481   width: 40%;
482   height: auto;
483   padding: 0px;
484   align-content: center;
485   background: rgba(199, 6, 59, 0.2);
486 }
```

The Outcome of this on the Web Page (This Didn't Work and Caused the Problem Explained above)



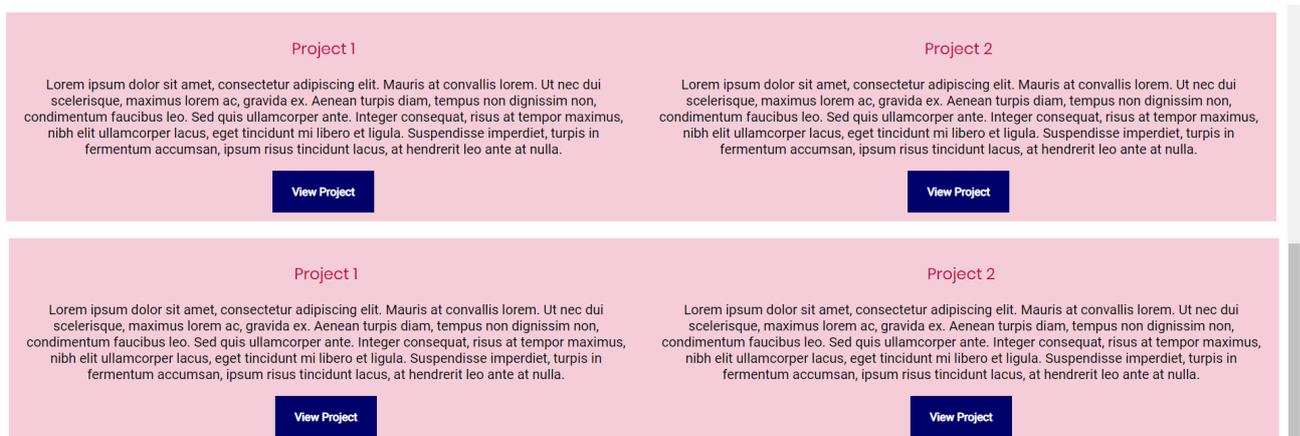
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I then tested solutions with many different attempts such as adding 'display: flex;', 'justify-content' and 'align-content' but these didn't provide any success. As a result of this, I then tried adding a negative value for 'margin-left' to one of the containers placed on the left-hand side of the page as I thought this would help to push the container away from the other one next to it. However, this didn't work and this will be evident below:

Adding the Negative Value to the 'margin-left' in the CSS file

```
462 .other_projects_container1 {
463   display: flex;
464   flex-direction: row;
465   justify-content: center;
466   align-items: center;
467   width: 100%;
468   height: auto;
469   padding: 10px;
470 }
471
472 .projects_flex2 {
473   width: 50%;
474   height: auto;
475   padding: 10px;
476   background: rgba(199, 6, 59, 0.2);
477   margin-left: -6px;
478 }
479
480 .projects_flex3 {
481   background: none;
482   width: 50%;
483   height: auto;
484   padding: 10px;
485   background: rgba(199, 6, 59, 0.2);
486 }
487
488 .other_projects_container2 {
489   display: flex;
490   flex-direction: row;
491   justify-content: center;
492   align-items: center;
493   width: 100%;
494   height: auto;
495   padding: 10px;
496 }
497
498 .projects_flex4 {
499   /*display: flex;*/ /*THIS CAUSED ISSU
500   background: none;
501   width: 50%;
502   height: auto;
503   padding: 10px;
504   background: rgba(199, 6, 59, 0.2);
505 }
```

The Outcome of this Change on the Web Page (This Didn't Work)



I then continued to attempt to resolve this issue by adding containers to both of the sections that contained the other projects and styled these in the 'CSS' file as I thought this would allow me to create space between each of the other projects containers through also changing some of the styles for the other sections within this part of the page:

Adding the Containers Called 'other_projects_main_container1' and 'other_projects_main_container2' to the HTML file

```
<div class="other_projects_main_container1">
<div class="other_projects_container1">
  <div class="projects_flex2">
    <h3 style="text-align:center;color:#C7063B;">Project 1</h3>
    <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus
    lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at
    tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus
    tincidunt lacus, at hendrerit leo ante at nulla.</p>
    <button class="buttons1">View Project</button>
  </div>
</div>
<div class="other_projects_container2">
  <div class="projects_flex3">
    <h3 style="text-align:center;color:#C7063B;">Project 2</h3>
    <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus
    lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at
    tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus
    tincidunt lacus, at hendrerit leo ante at nulla.</p>
    <button class="buttons1">View Project</button>
  </div>
</div>
<div class="other_projects_main_container2">
<div class="other_projects_container3">
  <div class="projects_flex4">
    <h3 style="text-align:center;color:#C7063B;">Project 1</h3>
    <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus
    lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at
    tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus
    tincidunt lacus, at hendrerit leo ante at nulla.</p>
    <button class="buttons1">View Project</button>
  </div>
</div>
<div class="other_projects_container4">
  <div class="projects_flex5">
    <h3 style="text-align:center;color:#C7063B;">Project 2</h3>
    <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus
    lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at
    tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus
    tincidunt lacus, at hendrerit leo ante at nulla.</p>
    <button class="buttons1">View Project</button>
  </div>
</div>
</div>
</div>
```

Adding the Styles for these Containers in the CSS file as well as Changing some of the other Styles

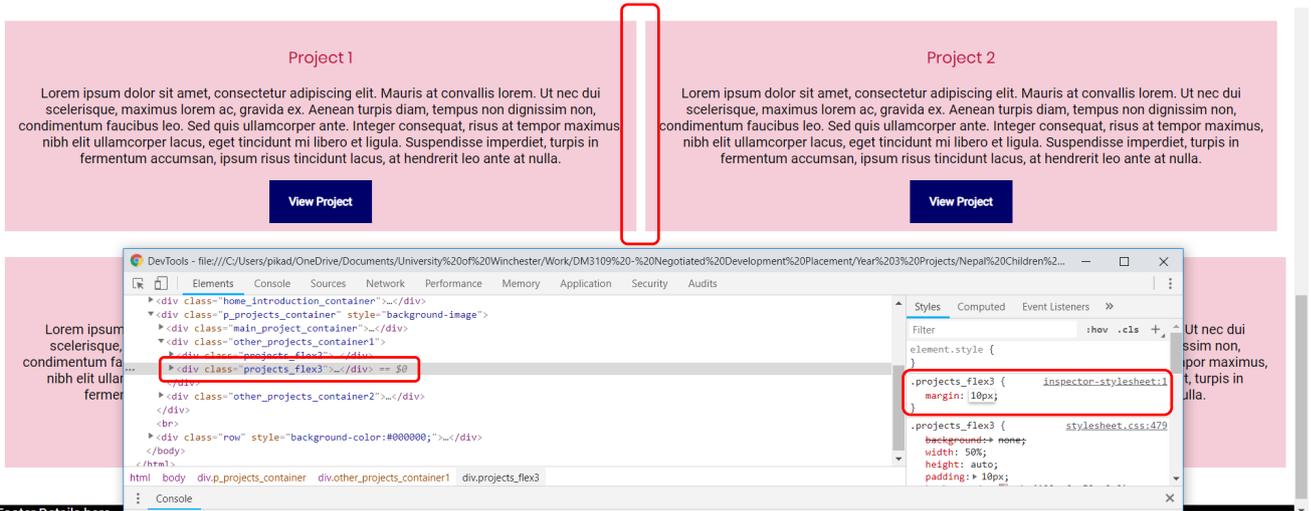
```
431 /* PROJECTS PAGE */
432
433 .p_projects_container {
434   width: 100%;
435   height: auto;
436   display: flex;
437   flex-direction: column;
438   justify-content: center;
439   align-items: center;
440   background: none;
441   padding: 0px;
442 }
443
444 .main_project_container {
445   display: flex;
446   flex-direction: row;
447   width: 100%;
448   height: auto;
449   justify-content: center;
450   align-items: center;
451 }
452
453 .other_main_projects_container1 {
454   display: flex;
455   flex-direction: row;
456   justify-content: center;
457   align-items: center;
458   width: 100%;
459   height: auto;
460   padding: 10px;
461 }
462
463 .other_main_projects_container2 {
464   display: flex;
465   flex-direction: row;
466   justify-content: center;
467   align-items: center;
468   width: 100%;
469   height: auto;
470   padding: 10px;
471 }
472
473 .projects_flex1 {
474   background: none;
475   width: 100%;
476   height: auto;
477   padding: 0px;
478   justify-content: center;
479 }
480
481 .projects_flex2 {
482   width: 100%;
483   height: auto;
484   padding: 10px;
485   background: rgba(199, 6, 59, 0.2);
486 }
487
488 .projects_flex3 {
489   background: none;
490   width: 100%;
491   height: auto;
492   padding: 10px;
493   background: rgba(199, 6, 59, 0.2);
494 }
495
496 .projects_flex4 {
497   /*display: flex;*/ /*THIS CAUSED IS
498   background: none;
499   width: 100%;
500   height: auto;
501   padding: 10px;
502   background: rgba(199, 6, 59, 0.2);
503 }
504
505 .projects_flex5 {
506   background: none;
507   width: 100%;
508   height: auto;
509   padding: 10px;
510   background: rgba(199, 6, 59, 0.2);
511 }
512
513 .other_projects_container3 {
514   display: flex;
515   flex-direction: row;
516   justify-content: center;
517   align-items: center;
518   width: 50%;
519   height: auto;
520   padding: 10px;
521 }
522
523 .other_projects_container4 {
524   display: flex;
525   flex-direction: row;
526   justify-content: center;
527   align-items: center;
528   width: 50%;
529   height: auto;
530   padding: 10px;
531 }
532
533 .container {
534   display: block;
535   position: relative;
536   height: auto;
537   width: 100%;
538   margin: auto;
539 }
540
541 .effect_overlay_new {
542   display: inline-block;
543   border-radius: 0px;
544   position: absolute;
545 }
```

The Outcome of these Changes on the Web Page (This Didn't Work and now Caused each Project Container to be Displayed in a Column format)



As would have been evident above, I had tried many different aspects to try and resolve this problem. It then occurred to me that I could inspect the code using the 'Google Developer Tools', something I had been shown during my work experience at 'The ICE Agency'. After doing this, I then found that adding styles to the 'margin' would solve the issue:

Using the 'Google Developer Tools' to add 'margin' for Testing Purposes (This Worked Successfully)



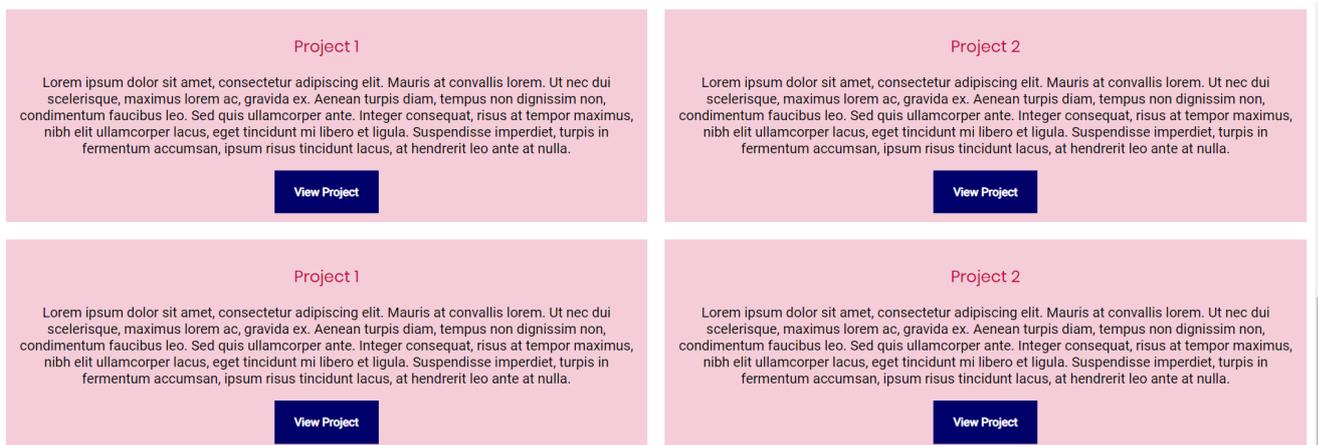
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Consequently, I therefore added the 'margin' style to the relevant containers in the 'CSS' file:

Adding the 'margin' Style in the CSS file

```
461
462 .other_projects_container1 {
463   display: flex;
464   flex-direction: row;
465   justify-content: center;
466   align-items: center;
467   width: 100%;
468   height: auto;
469   padding: 0px;
470 }
471
472 .projects_flex2 {
473   width: 50%;
474   height: auto;
475   padding: 10px;
476   margin: 10px;
477   background: rgba(199, 6, 59, 0.2);
478 }
479
480 .projects_flex3 {
481   background: none;
482   width: 50%;
483   height: auto;
484   padding: 10px;
485   margin: 10px;
486   background: rgba(199, 6, 59, 0.2);
487 }
488
489 .other_projects_container2 {
490   display: flex;
491   flex-direction: row;
492   justify-content: center;
493   align-items: center;
494   width: 100%;
495   height: auto;
496   padding: 0px;
497 }
498
499
500 .other_projects_container2 {
501   display: flex;
502   flex-direction: row;
503   justify-content: center;
504   align-items: center;
505   width: 100%;
506   height: auto;
507   padding: 0px;
508 }
509
510 .projects_flex4 {
511   /*display: flex;*/ /*THIS CAUSED ISSUES
512   background: none;
513   width: 50%;
514   height: auto;
515   padding: 10px;
516   margin: 10px;
517   background: rgba(199, 6, 59, 0.2);
518 }
519
520 .projects_flex5 {
521   background: none;
522   width: 50%;
523   height: auto;
524   padding: 10px;
525   margin: 10px;
526   background: rgba(199, 6, 59, 0.2);
527 }
```

The Outcome on the Web Page (This had now Worked)



Another issue I encountered with the 'Projects' page was the same as the 'Events' page where the content inside of the 'Highlighted Project' section would overflow and create an untidy appearance when on smaller screen resolutions. I simply applied the same solution to this page as I did to the 'Events' page and this resolved the issue:

The Issue Occurring on the Web Page



I then removed the 'container' and 'effect_overlay_new' 'divs' from the HTML file and the CSS file and placed the image as a background image to the 'main_project_container' 'div' instead as well as adding a background colour to the 'projects_flex1' 'div':

Removing the Elements from the HTML file - Before

```
<div class="p_projects_container" style="background-image">
  <div class="main_project_container">
    <div class="projects_flex1">
      <div class="container"> <!--w3schools - DONE-->
      <div class="effect_overlay_new">
        <h3 style="text-align:center;color:#C7063B;">Highlighted Project</h3>
        <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
        <button class="buttons1">View Project</button>
      </div>
    </div>
  </div>
</div>
<div class="other_projects_container1">
  <div class="projects_flex2">
    <h3 style="text-align:center;color:#C7063B;">Project 1</h3>
    <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
    <button class="buttons1">View Project</button>
  </div>
  <div class="projects_flex3">
    <h3 style="text-align:center;color:#C7063B;">Project 2</h3>
    <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
    <button class="buttons1">View Project</button>
  </div>
</div>
</div>
```

Removing the Elements from the HTML file – After

```
<div class="p_projects_container" style="background-image">
  <div class="main_project_container">
    <div class="projects_flex1">
      <h3 style="text-align:center;color:#C7063B;">Highlighted Project</h3>
      <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque,
      maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer
      consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in
      fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
      <button class="buttons1">View Project</button>
    </div>
  </div>
  <div class="other_projects_container1">
    <div class="projects_flex2">
      <h3 style="text-align:center;color:#C7063B;">Project 1</h3>
      <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus
      lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at
      tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus
      tincidunt lacus, at hendrerit leo ante at nulla.</p>
      <button class="buttons1">View Project</button>
    </div>
    <div class="projects_flex3">
      <h3 style="text-align:center;color:#C7063B;">Project 2</h3>
      <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus
      lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at
      tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus
      tincidunt lacus, at hendrerit leo ante at nulla.</p>
      <button class="buttons1">View Project</button>
    </div>
  </div>
</div>
```

Removing the CSS Code Associated with the Removed Elements in the HTML file and also Adding the Background Image to the main container as well as adding a Background Colour to the 'projects_flex1' Container to create the Coloured Background

```
499
500 /* PROJECTS PAGE */
501
502 .p_projects_container {
503   width: 100%;
504   height: auto;
505   display: flex;
506   flex-direction: column;
507   justify-content: center;
508   align-items: center;
509   background: none;
510   padding: 0px;
511 }
512
513 .main_project_container {
514   display: flex;
515   flex-direction: row;
516   width: 100%;
517   height: auto;
518   justify-content: center;
519   align-items: center;
520   background-image: url('../assets/images/slideshow2.jpg');
521   background-repeat: no-repeat;
522   background-size: cover;
523 }
524
525 .projects_flex1 {
526   background-color: rgba(0, 0, 106, 0.5);
527   width: 100%;
528   height: auto;
529   padding: 50px;
530   justify-content: center;
531   align-items: center;
532   display: flex;
533   flex-direction: column;
534 }
535
536 .other_projects_container1 {
537   display: flex;
538   flex-direction: row;
539   justify-content: center;
540   align-items: center;
541   width: 100%;
542   height: auto;
543   padding: 0px;
```

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

The Outcome of the Previous Changes on the Web Page (This Created the Same Effect as before but would Keep the Content inside its Container)



I then changed the styles of the content inside the container and added a new button 'class' so that the content could be easily read as at the moment the colours didn't contrast enough of which they needed to as this is a current requirement of the Web Content Accessibility Guidelines (WCAG). It is also worth noting that I added a 'font-awesome' icon to enhance this section of the page:

Adding the 'font-awesome' icon as well as Styling some of the Elements and adding a new Button 'class'

```
<div class="p_projects_container" style="background-image">
  <div class="main_project_container">
    <div class="projects_flex1">
      <a class="fa fa-briefcase" style="color:white;"></a>
      <h3 style="text-align:center;color:white;">Highlighted Project</h3>
      <p style="text-align:center;color:white;">Lorem ipsum dolor sit amet, consectetur adipi
      scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non
      Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt
      fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
      <button class="highlighted_project_btn">View Project</button>
    </div>
  </div>
</div>
```

Adding the Required Styles for the Button/Link in the CSS file (Both for when Hovering and when not Hovering over the Button/Link)

```
650
651 .projects_container {
652   width: 100%;
653   height: auto;
654   background-color: rgba(199, 6, 59, 0.2);
655   padding: 30px;
656 }
657
658 .highlighted_project_btn {
659   display: block;
660   width: 120px;
661   height: 50px;
662   margin: auto;
663   background-color: #C7063B;
664   color: white;
665   font-weight: bold;
666   font-family: 'Roboto', sans-serif;
667   border: none;
668   transition: 0.2s;
669   cursor: pointer;
670 }
671
672 .highlighted_project_btn:hover {
673   background-color: #00006A;
674   transition: 0.2s;
675 }
```

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

The Outcome of these Changes on the Web Page (The Content could now be Easily Read without any Issues)



Highlighted Project

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.

View Project

Project 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.

View Project

Project 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.

View Project

Refining Aspects of the Projects Page

At a later date, and after progressing further with the project, I then decided to start refining areas of the projects page, creating a new version before doing this in case something affected the outcome of the website. Some, if not all, of the refinements can be viewed below. Please note that some refinements included tidying the code and changing 'class' names where possible so that the names from integrated code hadn't been kept the same.

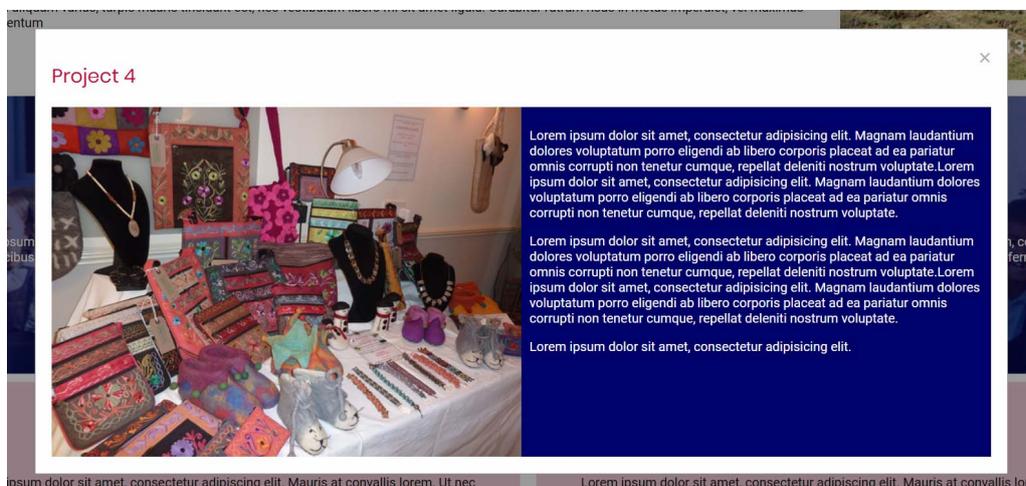
Adding Modals for the Projects

One aspect I thought would be beneficial was to have modals appear when selecting the buttons/links for each displayed project. This was so that, if the user wanted to read more about a project, they could without this having to be displayed on the page beforehand. One of the aspects I encountered an issue with during this stage was the fact that when selecting the button/link for the highlighted project, this would load the modal for the fourth project. Please note that the screenshots shown were before I had tidied the code and had removed any comments that weren't mine:

The Current Required Information to Appear in the Modal

```
<!-- Modal content -->
<div class="projects_modal_content">
  <div class="pm_title_flex">
    <div class="pm_title_container">
      <h2>Highlighted Project</h2>
    </div>
    <div class="pm_cb_container">
      <span class="close_btn1 close">&times;</span>
    </div>
  </div>
  <div class="pm_content_flex">
    <div class="pm_img_container">
      
    </div>
    <div class="pm_text_container">
      <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate. Lorem ipsum dolor sit amet, consectetur adipisicing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
      <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate. Lorem ipsum dolor sit amet, consectetur adipisicing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
      <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipisicing elit.</p>
    </div>
  </div>
</div>
```

The Current Outcome (The Incorrect Content was being Displayed)



Therefore, I placed the 'script' tags in the 'head' section of the page but this had the same effect. However, then I realised I had the same variable names relating to each modal so I changed these on one for testing purposes and this worked:

One of the Modals with the Same Variables as before

```
</div>
<script>
// Get the modal
var modal = document.getElementById('modal1');

// Get the button that opens the modal
var btn = document.getElementById("modal_btn1");

// Get the <span> element that closes the modal
var span = document.getElementsByClassName("close_btn1")[0];

// When the user clicks the button, open the modal
btn.onclick = function() {
  modal.style.display = "block";
}

// When the user clicks on <span> (x), close the modal
span.onclick = function() {
  modal.style.display = "none";
}

// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
  if (event.target == modal) {
    modal.style.display = "none";
  }
}
</script>
```

Another one of the Modals but with Different Variables (Before and After)

```
<script>
// Get the modal
var modal = document.getElementById('modal2');

// Get the button that opens the modal
var btn = document.getElementById("modal_btn2");

// Get the <span> element that closes the modal
var span = document.getElementsByClassName("close_btn2")[0];

// When the user clicks the button, open the modal
btn.onclick = function() {
  modal.style.display = "block";
}

// When the user clicks on <span> (x), close the modal
span.onclick = function() {
  modal.style.display = "none";
}

// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
  if (event.target == modal) {
    modal.style.display = "none";
  }
}
</script>
```

```
<script>
// Get the modal
var modal2 = document.getElementById('modal2');

// Get the button that opens the modal
var btn = document.getElementById("modal_btn2");

// Get the <span> element that closes the modal
var span = document.getElementsByClassName("close_btn2")[0];

// When the user clicks the button, open the modal
btn.onclick = function() {
  modal2.style.display = "block";
}

// When the user clicks on <span> (x), close the modal
span.onclick = function() {
  modal2.style.display = "none";
}

// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
  if (event.target == modal2) {
    modal2.style.display = "none";
  }
}
</script>
```

The Outcome of this on the Page (This now Displayed the Correct Information Relating to the Selected Modal)



After I had understood that this had managed to solve the issue, I then applied this to the others.

The Final Outcomes of the Projects Page (Desktop and Mobile)

After refinements had been made to the projects page, I had then managed to create the final outcomes on desktop and mobile devices. This can be viewed below. Please note that at a later stage, the outcome of this may have changed due to several reasons including testing and further refinements:

The HTML Code

```
[!DOCTYPE html] <!-- ALL CODE TIDIED AS WELL AS RELATING CSS CODE 98/11/18 -->
<html lang="en">
<head>
<title>CFENC | Our Projects</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0"> <!--https://www.w3schools.com/css/css_rwd_viewport.asp - DONE-->
<link rel="stylesheet" href="..styles/stylessheet.css"> <!-- REASON WHY THE STYLES WEREN'T APPLYING IN THE FIRST PLACE -->
<link href="https://fonts.googleapis.com/css?family=Poppins|Roboto" rel="stylesheet"> <!-- APPLYING THE SELECTED GOOGLE FONTS -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<link rel="icon" href="http://www.danielwilkins.co.uk/favicon.jpg" type="image/jpg" sizes="32x32"> <!--https://www.w3schools.com/tags/att_link_sizes.asp - REFERENCE DONE-->
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
</head>
<body>

<!-- BANNER SECTION START -->
<div class="banner_container">
<div class="banner_flex1">

</div>
<div class="banner_flex2">
<h1>The Charitable Foundation for the Education of Nepalese Children</h1>
</div>
<div class="banner_flex3">
<div class="search_container">
<form action="">
<input type="text" placeholder="Search..." name="search">
<button type="submit"><i class="fa fa-search" style="font-size:20px!important;"></i></button>
</form>
<br>
<a href="https://uk.virginmoneygiving.com/charity-web/charity/finalCharityHomepage.action?charityId=1001596" target="_blank" style="text-decoration:none;"><button class="donate_buttons">DONATE</button></a>
</div>
</div>
<!-- BANNER SECTION END -->

<!-- NAVIGATION BAR SECTION START -->
<div class="navigation_container" id="sticky_navigation_container">
<ul class="navigation_bar" id="navigation_ul">
 <!--https://www.w3schools.com/html/questions/2835140/how-do-i-link-to-part-of-a-page-hash REFERENCE DONE-->
<p id="navigation_text">CFENC</p>
<li><a href="..index.html">Home</a></li>
<li><a href="cfenc_history_pg.html">History</a></li>
<li><a href="cfenc_about_pg.html">About Us</a></li>
<li style="border-bottom:2px solid #C7063B;"><a href="cfenc_projects_pg.html">Projects</a></li>
<li><a href="cfenc_donations_pg.html">Donations</a></li>
<li><a href="cfenc_sponsor_pg.html">Sponsor a Child</a></li>
<li><a href="cfenc_partners_pg.html">Our Partners</a></li>
<li><a href="cfenc_shop_pg.html">Shop</a></li>
<li><a href="cfenc_gallery_pg.html">Gallery</a></li>
<li><a href="cfenc_events_pg.html">Events</a></li>
<li><a href="cfenc_contact_pg.html">Contact</a></li>
<div class="hamburger_menu" onclick="hamburgerFunction(this)"> <!--https://www.w3schools.com/
<div class="bar1"></div>
<div class="bar2"></div>
<div class="bar3"></div>
</div>
<script>
function hamburgerFunction(x) { //https://www.w3schools.com/howto/howto_js_topnav_responsive.asp
x.classList.toggle("change"); //https://www.w3schools.com/howto/howto_css_menu_icon.asp - REF
var x = document.getElementById("responsive_nav_box");
if (x.style.display === "block") {
x.style.display = "none";
x.style.opacity = "0";
x.style.transition = "0.5s";
} else {
x.style.display = "block";
x.style.opacity = "1";
x.style.transition = "0.5s";
}
}
</script>
</div>
</body>
</html>
```

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

```
<div id="responsive_nav_box">
  <li><a href=".."index.html">Home</a></li>
  <li><a href="cfenc_history_pg.html">History</a></li>
  <li><a href="cfenc_about_pg.html">About Us</a></li>
  <li style="border-bottom:2px solid #C7063B;"><a href="cfenc_projects_pg.html">Projects</a></li>
  <li><a href="cfenc_donations_pg.html">Donations</a></li>
  <li><a href="cfenc_sponsor_pg.html">Sponsor a Child</a></li>
  <li><a href="cfenc_partners_pg.html">Our Partners</a></li>
  <li><a href="cfenc_shop_pg.html">Shop</a></li>
  <li><a href="cfenc_gallery_pg.html">Gallery</a></li>
  <li><a href="cfenc_events_pg.html">Events</a></li>
  <li><a href="cfenc_contact_pg.html">Contact</a></li>
</li>
</ul>
</div>
<!-- NAVIGATION BAR SECTION END -->
<!-- PAGE HEADER IMAGE START -->
<div class="sticky_content">
  <div class="headline_image_container">
    <div class="headline_flex1">
      
    </div>
  </div>
<!-- PAGE HEADER IMAGE END -->
<!-- OUR PROJECTS INTRODUCTION SECTION START -->
<div class="projects_introduction_container"> <!-- 27/11/18 -->
  <div class="pji_title_container">
    <div class="pji_flex1">
      <h2>Our Projects</h2>
    </div>
  </div>
  <div class="pji_content_container">
    <div class="pji_flex2">
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla. Phasellus scelerisque consectetur odio eget placerat. Interdum et malesuada fames ac ante ipsum primis in faucibus. Donec ultrices urna elit, a fermentum ligula maximus et. Cras malesuada varius pulvinar. Duis vel dolor quis est facilisis convallis. Pellentesque viverra quam non ligula volutpat cursus. Mauris quis justo vitae erat congue venenatis.</p>
      <p>Aliquam porttitor efficitur tristique. Nullam ut facilisis justo. Phasellus sit amet dictum risus. Vestibulum mattis lacus in magna euismod vulputate. Morbi rutrum, nibh a aliquam varius, turpis mauris tincidunt est, nec vestibulum libero mi sit amet ligula. Curabitur rutrum risus in metus imperdiet, vel maximus ligula condimentum</p>
    </div>
    <div class="pji_flex3">
      
    </div>
  </div>
</div>
<!-- OUR PROJECTS INTRODUCTION SECTION END -->
<!-- OUR PROJECTS MAIN SECTION START -->
<!-- Projects Content Outside of Modals Start -->
<div class="p_projects_container">
  <div class="main_project_container">
    <div class="projects_flex1">
      <a class="fa fa-briefcase" style="color:white;"></a>
      <h3 style="text-align:center;color:white;">Highlighted Project</h3>
      <p style="text-align:center;color:white;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
      <button class="highlighted_project_btn open" id="modal_btn1" data-modal="#modal1">View Project</button>
    </div>
  </div>
  <div class="other_projects_container1">
    <div class="projects_flex2">
      <h3 style="text-align:center;color:#C7063B;">Project 1</h3>
      <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
      <button class="projects_buttons1 open" id="modal_btn2" data-modal="#modal2">View Project</button>
    </div>
    <div class="projects_flex3">
      <h3 style="text-align:center;color:#C7063B;">Project 2</h3>
      <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
      <button class="projects_buttons1 open" id="modal_btn3" data-modal="#modal3">View Project</button>
    </div>
  </div>
  <div class="other_projects_container2">
    <div class="projects_flex4">
      <h3 style="text-align:center;color:#C7063B;">Project 3</h3>
      <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
      <button class="projects_buttons1 open" id="modal_btn4" data-modal="#modal4">View Project</button>
    </div>
    <div class="projects_flex5">
      <h3 style="text-align:center;color:#C7063B;">Project 4</h3>
      <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
      <button class="projects_buttons1 open" id="modal_btn5" data-modal="#modal5">View Project</button>
    </div>
  </div>
<!-- Projects Content Outside of Modals End -->
<!-- Projects Content Inside of Modals Start -->
```

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

```
<div id="modal1" class="projects_modal modal">
  <div class="projects_modal_content">
    <div class="pm_title_Flex">
      <div class="pm_title_container">
        <h2>Highlighted Project</h2>
      </div>
      <div class="pm_cb_container">
        <span class="close" id="close_btn1">&times;</span>
      </div>
    </div>
    <div class="pm_content_Flex">
      <div class="pm_img_container">
        
      </div>
      <div class="pm_text_container">
        <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
        <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
        <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>
      </div>
    </div>
  </div>
</div>
```

```
<div id="modal2" class="projects_modal modal">
  <div class="projects_modal_content">
    <div class="pm_title_Flex">
      <div class="pm_title_container">
        <h2>Project 1</h2>
      </div>
      <div class="pm_cb_container">
        <span class="close" id="close_btn2">&times;</span>
      </div>
    </div>
    <div class="pm_content_Flex">
      <div class="pm_img_container">
        
      </div>
      <div class="pm_text_container">
        <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
        <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
        <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
      </div>
    </div>
  </div>
</div>
```

```
<div id="modal3" class="projects_modal modal">
  <div class="projects_modal_content">
    <div class="pm_title_Flex">
      <div class="pm_title_container">
        <h2>Project 2</h2>
      </div>
      <div class="pm_cb_container">
        <span class="close" id="close_btn1">&times;</span>
      </div>
    </div>
    <div class="pm_content_Flex">
      <div class="pm_img_container">
        
      </div>
      <div class="pm_text_container">
        <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
        <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
        <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
      </div>
    </div>
  </div>
</div>
```

```
<div id="modal4" class="projects_modal modal">
  <div class="projects_modal_content">
    <div class="pm_title_Flex">
      <div class="pm_title_container">
        <h2>Project 3</h2>
      </div>
      <div class="pm_cb_container">
        <span class="close" id="close_btn4">&times;</span>
      </div>
    </div>
    <div class="pm_content_Flex">
      <div class="pm_img_container">
        
      </div>
      <div class="pm_text_container">
        <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
        <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
        <p style="text-align:left">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Magnam laudantium dolores voluptatum porro eligendi ab libero corporis placeat ad ea pariatur omnis corrupti non tenetur cumque, repellat deleniti nostrum voluptate.</p>
      </div>
    </div>
  </div>
</div>
```


The CSS Code – Desktop

```
/* OUR PROJECTS PAGE - DESKTOP VERSION START */
/* Introduction Section Start */
.projects_introduction_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 10px;
}
.pji_title_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
}
.pji_flex1 {
  background: none;
  width: 100%;
  height: auto;
  padding: 10px;
}
.pji_content_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
}
.pji_flex2 {
  background: none;
  width: 75%;
  height: auto;
  padding: 10px;
  align-content: center;
}
.pji_flex3 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
  align-content: center;
}
/* Introduction Section End */
/* Main Content Section Start */
.p_projects_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 0px;
}
.main_project_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
  justify-content: center;
  align-items: center;
  background-image: url('../assets/images/slideshow2.jpg');
  background-repeat: no-repeat;
  background-size: cover;
}
.projects_flex1 {
  background-color: rgba(0, 0, 106, 0.5);
  width: 100%;
  height: auto;
  padding: 50px;
  justify-content: center;
  align-items: center;
  display: flex;
  flex-direction: column;
}

```

```
.other_projects_container1 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
  padding: 0px;
}
.projects_flex2 {
  width: 50%;
  height: auto;
  padding: 50px;
  margin: 10px;
  background: rgba(199, 6, 59, 0.2);
}
.projects_flex3 {
  background: none;
  width: 50%;
  height: auto;
  padding: 50px;
  margin: 10px;
  background: rgba(199, 6, 59, 0.2);
}
.other_projects_container2 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
  padding: 0px;
}
.projects_flex4 {
  /*display: flex;*/ /*THIS CAUSED ISS
  background: none;
  width: 50%;
  height: auto;
  padding: 50px;
  margin: 10px;
  background: rgba(199, 6, 59, 0.2);
}
.projects_flex5 {
  background: none;
  width: 50%;
  height: auto;
  padding: 50px;
  margin: 10px;
  background: rgba(199, 6, 59, 0.2);
}
.container {
  display: block;
  position: relative;
  height: auto;
  width: 100%;
  margin: auto;
}
.effect_overlay_new {
  display: inline-block;
  border-radius: 30px;
  position: absolute;
  top: 0px;
  bottom: 0;
  left: 0px;
  right: 0;
  height: 100%;
  width: 100%;
  opacity: 1;
}
.picture_links {
  text-decoration: none;
  color: white;
  transition: 0.5s;
}

```

```

.text {
  color: blue;
  font-size: 20px;
  font-family: Arial;
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
  -ms-transform: translate(-50%, -50%);
  opacity: 1!important;
}

.projects_buttons1 {
  display: block;
  width: 120px;
  height: 50px;
  margin: auto;
  background-color: #00006A;
  color: white;
  font-weight: bold;
  font-family: 'Roboto', sans-serif;
  border: none;
  transition: 0.2s;
  cursor: pointer;
}

.projects_buttons1:hover {
  background-color: #C7063B;
  transition: 0.2s;
}

.projects_container {
  width: 100%;
  height: auto;
  background-color: rgba(199, 6, 59, 0.2);
  padding: 30px;
}

.highlighted_project_btn {
  display: block;
  width: 120px;
  height: 50px;
  margin: auto;
  background-color: #C7063B;
  color: white;
  font-weight: bold;
  font-family: 'Roboto', sans-serif;
  border: none;
  transition: 0.2s;
  cursor: pointer;
}

.highlighted_project_btn:hover {
  background-color: #00006A;
  transition: 0.2s;
}

.projects_modal {
  display: none;
  position: fixed;
  z-index: 1;
  left: 0;
  top: 0;
  width: 100%;
  height: 100%;
  overflow: auto;
  background-color: rgb(0,0,0);
  background-color: rgba(0,0,0,0.4);
  -webkit-animation-name: fadeInOne;
  -webkit-animation-duration: 0.4s;
  animation-name: fadeInOne;
  animation-duration: 0.4s;
}

@-webkit-keyframes fadeInOne {
  from {opacity: 0}
  to {opacity: 1}
}

@keyframes fadeInOne {
  from {opacity: 0}
  to {opacity: 1}
}

```

```

.projects_modal_content {
  background-color: #fefefe;
  margin: 15% auto;
  padding: 20px;
  border: 1px solid #888;
  width: 80%;
  height: auto;
  display: flex;
  flex-direction: column;
}

.pm_img_container {
  width: 50%;
  height: auto;
}

.pm_text_container {
  width: 50%;
  height: auto;
  background: #00006A;
  padding: 10px;
  color: white;
}

.pm_title_flex {
  display: flex;
  flex-direction: row;
}

.pm_content_flex {
  display: flex;
  flex-direction: row;
}

.pm_title_container {
  width: 90%;
  height: auto;
}

.pm_cb_container {
  width: 10%;
  height: auto;
}

.pm_images {
  display: block;
  margin: auto;
  width: 100%;
  height: auto;
}

/* Main Content Section End */
/* OUR PROJECTS PAGE - DESKTOP VERSION END */

```

The CSS Code – Mobile

```
/* OUR PROJECTS PAGE START */  
  
/* Introduction Section Start */  
  
.pji_content_container {  
  flex-direction: column;  
}  
  
.pji_flex2 {  
  width: 100%;  
  height: auto;  
  order: 2;  
}  
  
.pji_flex3 {  
  width: 100%;  
  height: auto;  
  order: 1;  
}  
  
/* Introduction Section End */  
  
/* Main Content Section Start */  
  
.other_projects_container1 {  
  flex-direction: column;  
  padding: 10px;  
  margin-bottom: -10px; /* Added this to remove space between this container and the other container on mobile version 27/11/18 */  
}  
  
.projects_flex2 {  
  width: 100%;  
  height: auto;  
  margin: 0px;  
}  
  
.projects_flex3 {  
  width: 100%;  
  height: auto;  
  margin: 10px 0px 0px 0px;  
}  
  
.other_projects_container2 {  
  flex-direction: column;  
  padding: 10px;  
}  
  
.projects_flex4 {  
  width: 100%;  
  height: auto;  
  margin: 0px;  
}  
  
.projects_flex5 {  
  width: 100%;  
  height: auto;  
  margin: 10px 0px 0px 0px;  
}  
  
.pm_img_container {  
  width: 100%;  
  height: auto;  
}  
  
.pm_text_container {  
  width: 100%;  
  height: auto;  
}  
  
.pm_content_flex {  
  flex-direction: column;  
}  
  
/* Main Content Section End */  
  
/* OUR PROJECTS PAGE END */
```

The Final Outcome – Desktop



The Charitable Foundation for the Education of Nepalese Children

Search...

DONATE

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Our Projects

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla. Phasellus scelerisque consectetur odio eget placerat. Interdum et malesuada fames ac ante ipsum primis in faucibus. Donec ultrices urna elit, a fermentum ligula maximus et. Cras malesuada varius pulvinar. Duis vel dolor quis est facilisis convallis. Pellentesque viverra quam non ligula volutpat cursus. Mauris quis justo vitae erat congue venenatis.

Aliquam porttitor efficitur tristique. Nullam ut facilisis justo. Phasellus sit amet dictum risus. Vestibulum mattis lacus in magna euismod vulputate. Morbi rutrum, nibh a aliquam varius, turpis mauris tincidunt est, nec vestibulum libero mi sit amet ligula. Curabitur rutrum risus in metus imperdiet, vel maximus ligula condimentum



School in 2013



Highlighted Project

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View Project

Project 1

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View Project

Project 2

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View Project

Project 3

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View Project

Project 4

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.

View Project

Social Media and Policies



CFENC 2018



Privacy Policy

Terms & Conditions

Address

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10 Watergate
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Wilts SN14 8DP

Contact Details

Email | cfenc@btinternet.com

Telephone | 01234 567890

Registered UK Charity Number | 0123456789

The Final Outcome – Mobile



The Charitable
Foundation for the
Education of Nepalese
Children

Search

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Our Projects



School in 2013

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Aliquam porttitor efficitur tristique. Nullam ut facilisis justo. Phasellus sit amet dictum risus. Vestibulum mattis lacus in magna euismod vulputate. Morbi rutrum, nibh a aliquam varius, turpis mauris tincidunt est, nec vestibulum libero mi sit amet ligula. Curabitur rutrum risus in metus imperdiet, vel maximus ligula condimentum

Project 1

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View Project

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Project 2

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View Project

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Project 3

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.

View Project

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Project 4

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.

View Project



Highlighted Project

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.

View Project

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Address

Watergate Cottage
 10 Watergate
 Coleme
 Wilts SN14 8DP

Contact Details

Email | cfenc@btinternet.com
 Telephone | 01234 567890
 Registered UK Charity Number | 0123456789

Building the Contact Page

Examples of Processes and Challenges During this Stage

To begin this page, I first of all copied the code from different files for the different structures of the page, changing 'class' names where appropriate. These were for the header/banner, navigation, title and footer sections as will be seen below:

The Header/Banner, Navigation and title Sections of the Page – HTML Code

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <title>CFENC | The Charitable Foundation for the Education of Nepalese Children</title>
5 <meta charset="utf-8">
6 <meta name="viewport" content="width=device-width, initial-scale=1.0"> <!-- https://www.w3schools.com/css/css_rwd_v
7 <link rel="stylesheet" href="../styles/stylesheet.css"> <!-- REASON WHY THE STYLES WEREN'T APPLYING IN THE FIRST P
8 <link href="https://fonts.googleapis.com/css?family=Poppins|Roboto" rel="stylesheet"> <!-- APPLYING THE SELECTED G
9 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
10 </head>
11 <body>
12
13 <div class="banner_container">
14 <div class="banner_flex1">
15 
16 </div>
17 <div class="banner_flex2">
18 <h1>The Charitable Foundation for the Education of Nepalese Children</h1>
19 </div>
20 <div class="banner_flex3">
21 <div class="search-container">
22 <form action="/action_page.php">
23 <input type="text" placeholder="Search..." name="search">
24 <button type="submit"><i class="fa fa-search" style="font-size:20px!important;"></i></button>
25 </form>
26 <br>
27 <button class="donate_buttons">DONATE</button>
28 </div>
29 </div>
30 </div>
31
32 <div class="navigation_container">
33 <ul class="navigation_bar">
34 <li><a href="../index.html">Home</a></li>
35 <li><a href="cfenc_history_pg.html">History</a></li>
36 <li><a href="cfenc_about_pg.html">About Us</a></li>
37 <li><a href="cfenc_projects_pg.html">Projects</a></li>
38 <li><a href="cfenc_donations_pg.html">Donations</a></li>
39 <li><a href="cfenc_sponsor_pg.html">Sponsor a Child</a></li>
40 <li><a href="cfenc_partners_pg.html">Our Partners</a></li>
41 <li><a href="#">Shop</a></li>
42 <li><a href="cfenc_gallery_pg.html">Gallery</a></li>
43 <li><a href="cfenc_events_pg.html">Events</a></li>
44 <li style="border-bottom:2px solid #C7063B;"><a href="cfenc_contact_pg.html">Contact</a></li>
45 </ul>
46 </div>
47
48 <div class="headline_image_container">
49 <div class="headline1_flex1">
50 
51 </div>
52 </div>
53
54 <div class="contact_introduction_container">
55 <div class="contact_title_container">
56 <div class="ci_flex1">
57 <h2>Contact Us</h2>
58 <hr>
59 </div>
60 </div>
61 </div>
```

The Header/Banner, Navigation and title Sections of the Page – The CSS Code

```
71 /* BANNER SECTION */
72 .banner_container {
73   display: flex;
74   flex-direction: row;
75   justify-content: center;
76   align-items: center;
77   width: 100%;
78   height: auto;
79   padding: 10px;
80 }
81
82 .banner_flex1 {
83   background: none;
84   width: 10%;
85   height: auto;
86   padding: 10px;
87   align-content: center;
88 }
89
90 .banner_flex2 {
91   background: none;
92   width: 75%;
93   height: auto;
94   padding: 10px;
95   align-content: center;
96 }
97
98 .banner_flex3 {
99   background: none;
100  width: 15%;
101  height: auto;
102  padding: 10px;
103  align-content: center;
104 }
105
106 .logo_image {
107  width: 100%;
108  height: auto;
109  display: block;
110 }
111
112 .search-container {
113  float: right;
114 }
115
116 .search-container input {
117  font-family: 'Poppins', sans-serif;
118  width: 120px;
119 }
120
188
189 /* NAVIGATION BAR */
190 .navigation_container {
191   display: flex;
192   flex-direction: row;
193   justify-content: center;
194   align-items: center;
195   width: 100%;
196   height: auto;
197   padding: 0px; /*REMOVED THIS
198   background-color: #C7C7C7;
199 }
200
201 .navigation_bar {
202   list-style: none;
203   padding-top: 0px;
204   display: flex;
205   flex-direction: row;
206 }
207
208 .navigation_bar li {
209   padding: 10px;
210   background-color: none;
211 }
212
213 .navigation_bar li a {
214   text-decoration: none;
215   color: #00006A;
216   transition: 0.3s;
217 }
218
219 .navigation_bar li a:hover {
220   color: #C7063B;
221   transition: 0.3s;
222 }
223
```

```
1363
1364 .headline_image_container {
1365   width: 100%;
1366   height: auto;
1367   display: flex;
1368   flex-direction: column;
1369   justify-content: center;
1370   align-items: center;
1371   background: none;
1372   background-color: rgba(0, 0, 106, 0.3);
1373 }
1374
1375 .headlinei_flex1 {
1376   width: 100%;
1377   height: auto;
1378 }
753
754 .contact_introduction_container {
755   width: 100%;
756   height: auto;
757   display: flex;
758   flex-direction: column;
759   justify-content: center;
760   align-items: center;
761   background: none;
762   padding: 10px;
763 }
764
765 .contact_title_container {
766   display: flex;
767   flex-direction: row;
768   width: 100%;
769   height: auto;
770 }
771
772 .ci_flex1 {
773   background: none;
774   width: 100%;
775   height: auto;
776   padding: 10px;
777 }
```

The Footer Section of the Page – The HTML Code

```
<div class="footer_container" style="background-color:#000000;">
  <div class="footer_flex3">
    
  </div>
  <div class="footer_flex1">
    <div class="sub_fflex1">
      <a class="fa fa-facebook" style="text-align:center;color:white!important;font-size:25px!important;padding:10px!important;"></a>
      <a class="fa fa-twitter" style="text-align:center;color:white!important;font-size:25px!important;padding:10px!important;"></a>
      <a class="fa fa-youtube" style="text-align:center;color:white!important;font-size:25px!important;padding:10px!important;"></a>
    </div>
    <div class="sub_fflex2">
      <a href="#" style="padding:10px;color:#C7063B;">Privacy Policy</a>
      <a href="#" style="padding:10px;color:#C7063B;">Terms & Conditions</a>
    </div>
    <div class="sub_fflex3">
      <p style="padding:10px;color:white;">Registered UK Charity Number | 0123456789</p>
    </div>
  </div>
  <div class="footer_flex2">
    <p>Email | cfenc@btinternet.com</p>
    <p>Telephone | 01234 567890</p>
    <p>Watergate Cottage<br>
    10 Watergate<br>
    Colerne<br>
    Wilts SN14 8DP</p>
  </div>
</div>
</body>
</html>
```

The Footer Section of the Page – The CSS Code

```
121  /* FOOTER SECTION */
122
123  .footer_container {
124    display: flex;
125    flex-direction: row;
126    justify-content: center;
127    align-items: center;
128    width: 100%;
129    height: auto;
130    padding: 50px;
131  }
132
133  .footer_flex1 {
134    /* background: #C7063B;*/
135    width: 40%;
136    height: auto;
137    padding: 0px;
138    display: flex;
139    flex-direction: column;
140  }
141
142  .sub_fflex1 {
143    width: 100%;
144    height: auto;
145    display: flex;
146    flex-direction: row;
147    /* background: deepskyblue;*/
148    padding: 0px;
149  }
150
151  .footer_flex2 {
152    /* background: #00006A;*/
153    width: 40%;
154    height: auto;
155    padding: 0px;
156    color: white;
157    display: flex;
158    flex-direction: column;
159  }
160
161  .sub_fflex2 {
162    width: 100%;
163    height: auto;
164    display: flex;
165    flex-direction: row;
166    /* background: red;*/
167    padding: 0px;
168  }
169
170  .sub_fflex3 {
171    width: 100%;
172    height: auto;
173    display: flex;
174    flex-direction: row;
175    /* background: yellow;*/
176    padding: 0px;
177  }
178
179  .footer_flex3 {
180    /* background: #00006A;*/
181    width: 20%;
182    height: auto;
183    padding: 0px;
184    color: white;
185    display: flex;
186    flex-direction: column;
187  }
```

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

After I had integrated the aspects shown above, the focus was now to create the main content section of the page where the contact details would be held. To begin, I integrated the same code used for the 'Projects' page for the other projects section as this was a similar layout. The layout required for the contact page was in a block format:

The Code on the 'Projects' Page to be Integrated - HTML

```
<div class="p_projects_container" style="background-image">
<div class="main_project_container">
<div class="projects_flex1">
  <a class="fa fa-briefcase" style="color:white;"></a>
  <h3 style="text-align:center;color:white;">Highlighted Project</h3>
  <p style="text-align:center;color:white;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
  <button class="highlighted_project_btn">View Project</button>
</div>
</div>
<div class="other_projects_container1">
<div class="projects_flex2">
  <h3 style="text-align:center;color:#C70638;">Project 1</h3>
  <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
  <button class="buttons1">View Project</button>
</div>
<div class="projects_flex3">
  <h3 style="text-align:center;color:#C70638;">Project 2</h3>
  <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
  <button class="buttons1">View Project</button>
</div>
</div>
<div class="other_projects_container2">
<div class="projects_flex4">
  <h3 style="text-align:center;color:#C70638;">Project 1</h3>
  <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
  <button class="buttons1">View Project</button>
</div>
<div class="projects_flex5">
  <h3 style="text-align:center;color:#C70638;">Project 2</h3>
  <p style="text-align:center;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla.</p>
  <button class="buttons1">View Project</button>
</div>
</div>
</div>
</div>
```

Whilst trying to style a section of the contact page, I encountered a problem where fourth container hadn't styled itself correctly:



It was at this point, after analysing the code, that I realised I hadn't changed the 'class' name in the 'CSS' file to correspond with that of the 'HTML' file:

I hadn't Changed the 'class' name in the CSS file

```
622
623 .contact_flex2 {
624     background: none;
625     width: 50%;
626     height: auto;
627     padding: 50px;
628     margin: 10px;
629     background: rgba(199, 6, 59, 0.2);
630 }
631
632 .sub_contact_container2 {
633     display: flex;
634     flex-direction: row;
635     justify-content: center;
636     align-items: center;
637     width: 100%;
638     height: auto;
639     padding: 0px;
640 }
641
642 .contact_flex3 {
643     /*display: flex;*/ /*THIS CAUSED ISSU
644     background: none;
645     width: 50%;
646     height: auto;
647     padding: 50px;
648     margin: 10px;
649     background: rgba(199, 6, 59, 0.2);
650 }
651
652 .projects_flex4 {
653     background: none;
654     width: 50%;
655     height: auto;
656     padding: 50px;
657     margin: 10px;
658     background: rgba(199, 6, 59, 0.2);
659 }
660
661 /*https://www.w3schools.com/colors/colo
```

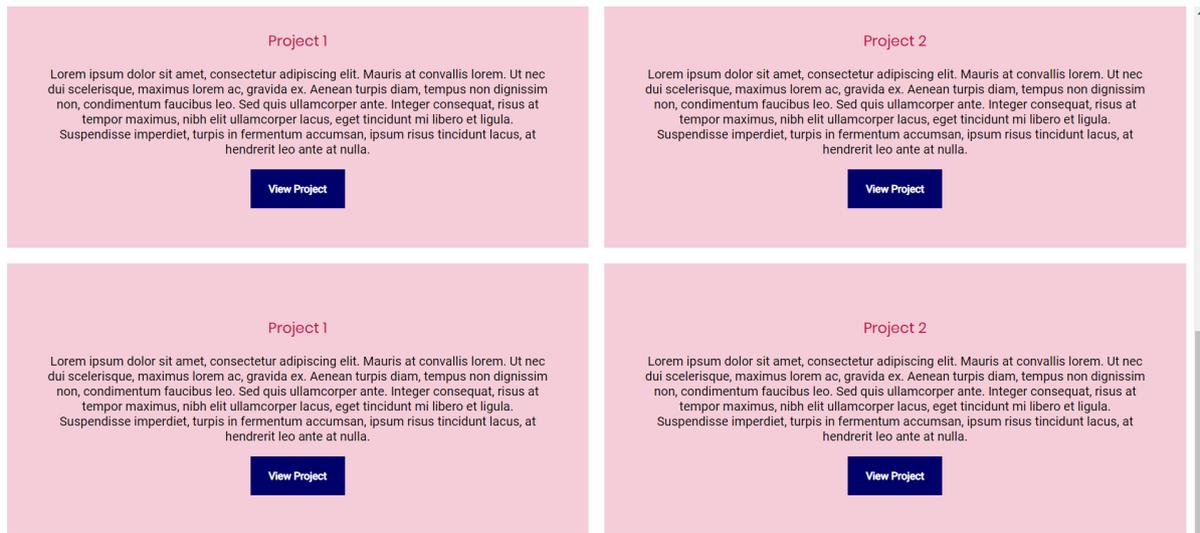
Therefore, I changed the 'class' name to the name it should have been and this solved the issue:

Changing the 'class' name to its Correct name in the CSS file

```
622
623 .contact_flex2 {
624     background: none;
625     width: 50%;
626     height: auto;
627     padding: 50px;
628     margin: 10px;
629     background: rgba(199, 6, 59, 0.2);
630 }
631
632 .sub_contact_container2 {
633     display: flex;
634     flex-direction: row;
635     justify-content: center;
636     align-items: center;
637     width: 100%;
638     height: auto;
639     padding: 0px;
640 }
641
642 .contact_flex3 {
643     /*display: flex;*/ /*THIS CAUSED ISSU
644     background: none;
645     width: 50%;
646     height: auto;
647     padding: 50px;
648     margin: 10px;
649     background: rgba(199, 6, 59, 0.2);
650 }
651
652 .contact_flex4 {
653     background: none;
654     width: 50%;
655     height: auto;
656     padding: 50px;
657     margin: 10px;
658     background: rgba(199, 6, 59, 0.2);
659 }
660
```

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

The Outcome of this Change (The Elements were now Appearing Correctly)

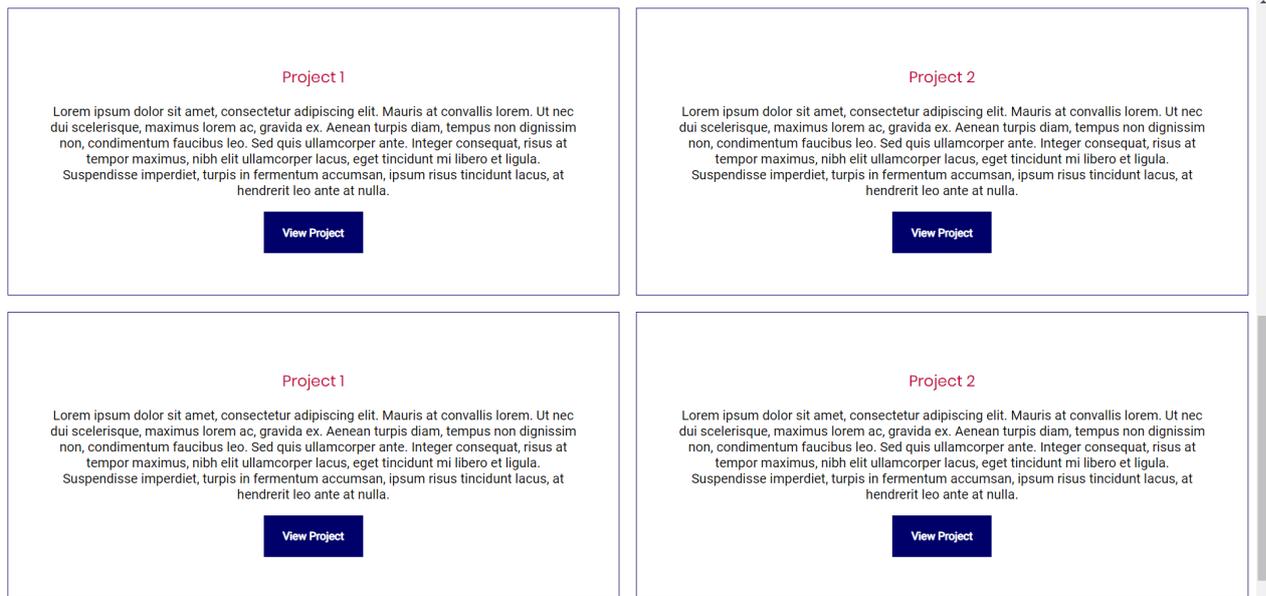


I then began styling this section of the page to reflect the high-fidelity wireframes created previously. I did this by removing the background colour of each container and applying a blue border in the 'CSS' file:

Removing the Background Colour and Applying the Border to the Containers on the Page in the CSS file

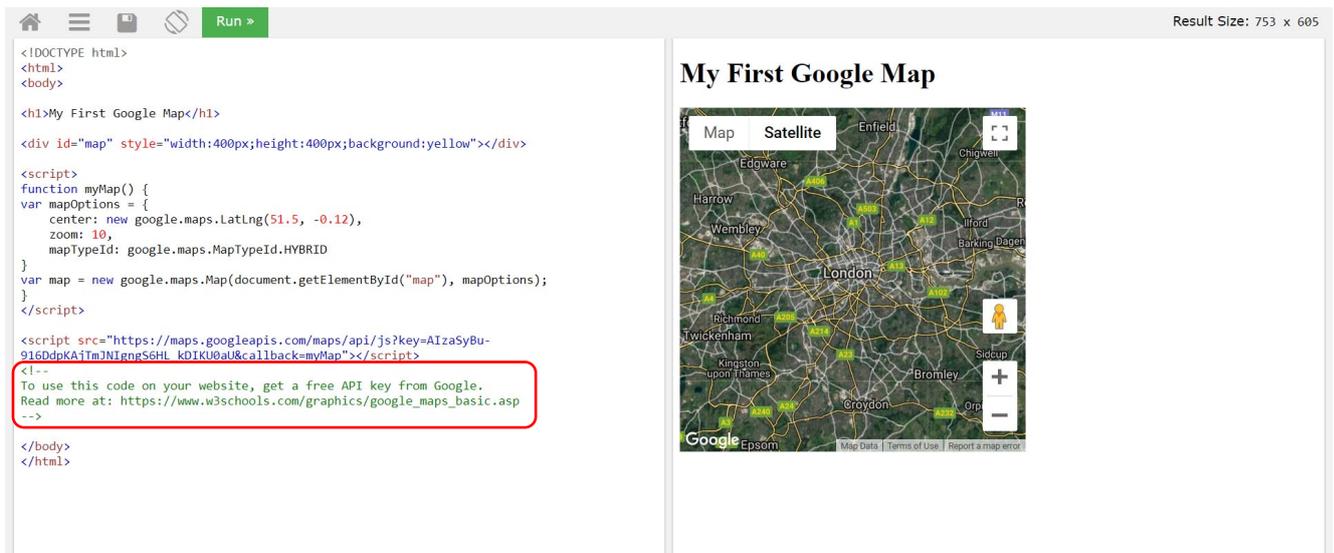
```
614
615 .contact_flex1 {
616     width: 50%;
617     height: auto;
618     padding: 50px;
619     margin: 10px;
620     border: 1px solid #00006A;
621 }
622
623 .contact_flex2 {
624     background: none;
625     width: 50%;
626     height: auto;
627     padding: 50px;
628     margin: 10px;
629     border: 1px solid #00006A;
630 }
631
632 .sub_contact_container2 {
633     display: flex;
634     flex-direction: row;
635     justify-content: center;
636     align-items: center;
637     width: 100%;
638     height: auto;
639     padding: 0px;
640 }
641
642 .contact_flex3 {
643     /*display: flex;*/ /*THIS CA
644     background: none;
645     width: 50%;
646     height: auto;
647     padding: 50px;
648     margin: 10px;
649     border: 1px solid #00006A;
650 }
651
652 .contact_flex4 {
653     background: none;
654     width: 50%;
655     height: auto;
656     padding: 50px;
657     margin: 10px;
658     border: 1px solid #00006A;
659 }
```

The Outcome of this on the Web Page (This was Starting to Represent the Wireframes)



After starting to style this section of the page, I viewed how to integrate a map into the web page. I noticed on 'w3Schools' that a Google API key was required. After researching further on this, I realised a billing account had to be established and so therefore thought it would be best to discuss this with the client(s) and maybe suggest to place something else onto this section of the page as a map wasn't something that was essential:

Realising that a Google API key was Required whilst Viewing the 'w3Schools' Example

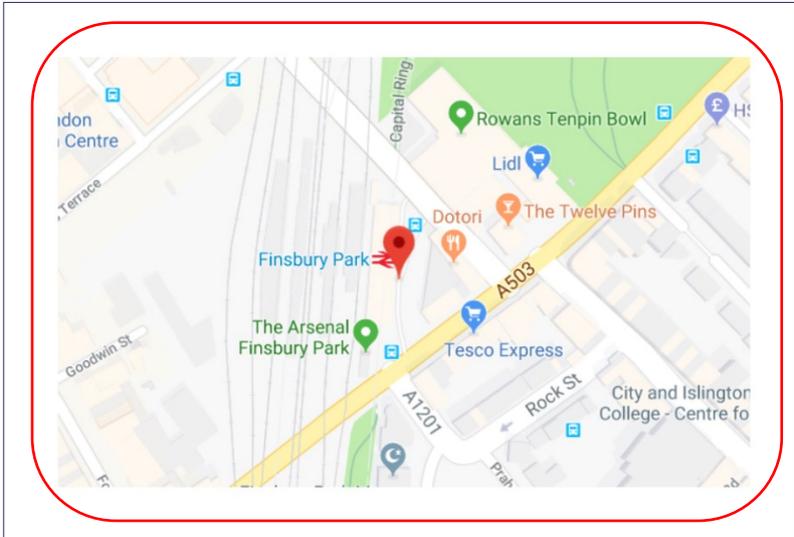


```
<!--  
To use this code on your website, get a free API key from Google.  
Read more at: https://www.w3schools.com/graphics/google_maps_basic.asp  
-->
```

For this moment in time, I decided to insert a screenshot of part of a map instead to act as a placeholder:

Adding the Screenshot of a map as a Placeholder for the Current time

Contact Us



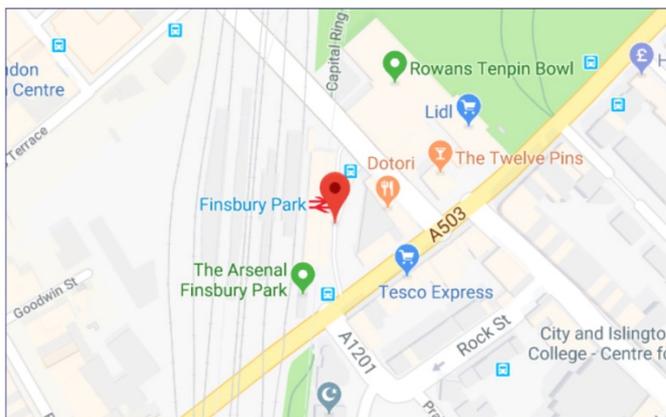
I then removed the 'padding' from the container that this was placed in as the screenshot didn't fill the container:

Removing the 'padding' of the Container in the CSS file

```
614  
615 .contact_flex1 {  
616   width: 50%;  
617   height: auto;  
618   padding: 0px;  
619   margin: 10px;  
620   border: 1px solid #00006A;  
621 }  
622
```

This now Resolved the Issue explained Previously

Contact Us



'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

After creating the map section, I then began to work on placing the contact details regarding telephone, email and address details onto the page. I realised when placing the icons onto the page I would need to create another few containers so that the elements would display inline:

The Icons not Displaying inline with other Elements on this Section of the Page

Contact Us



Whilst creating these new containers, I encountered the following problem where the icon would display to the right and the text on the left when it was required for these to be positioned the other way around:

Beginning to Style the newly Created Containers in the CSS file

```
614
615 .contact_flex1 {
616     width: 50%;
617     height: auto;
618     padding: 0px;
619     margin: 10px;
620     border: 1px solid #00006A;
621 }
622
623 .contact_flex2 {
624     background: none;
625     width: 50%;
626     height: auto;
627     padding: 50px;
628     margin: 10px;
629     border: 1px solid #00006A;
630     display: flex;
631     flex-direction: column;
632 }
633
634 .sub1_cflex2 {
635     display: flex;
636     flex-direction: row;
637 }
638
639 .sub2_cflex2 {
640 }
641
642 .sub2_cflex2 {
643 }
644
645 }
646
647 .sub_contact_container2 {
648     display: flex;
649     flex-direction: row;
650     justify-content: center;
651     align-items: center;
652     width: 100%;
653     height: auto;
654     padding: 0px;
655 }
```

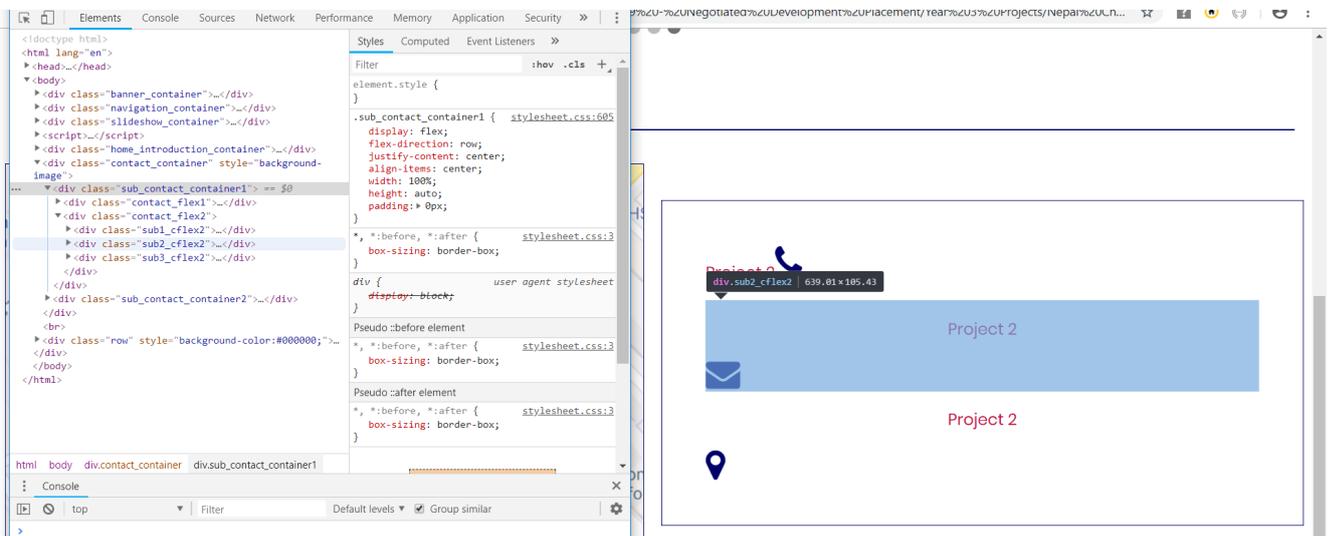
The Current Problem with the Positioning of the Elements on the Page

Contact Us



I then decided to use the 'Google Developer Tools' to try and identify why this wasn't working correctly and then I found that the elements were positioned correctly with the others that I hadn't styled as of yet:

Using 'Google Developer Tools' to Understand the Issue on the Web Page

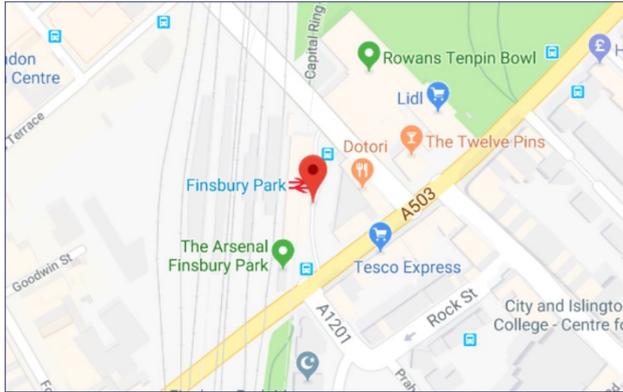


'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

After resolving the previous issue, I then needed to add spacing around the icons and text sections as currently, these were positioned too close to each other as will be shown below:

The Issue with the Icons and text being Placed too Close Together on the Page

Contact Us



Therefore, I attempted to resolve this problem by adding 'padding' around one of the containers as I thought this would add space between each of the elements. Please note that I only applied this to one area for the current time for the purpose of testing but this didn't work:

Adding 'padding' to one of the Containers at the Current time in the CSS file

```
623 .contact_flex2 {
624     background: none;
625     width: 50%;
626     height: auto;
627     padding: 50px;
628     margin: 10px;
629     border: 1px solid #00006A;
630     display: flex;
631     flex-direction: column;
632 }
633
634 .sub1_cflex2 {
635     display: flex;
636     flex-direction: row;
637     padding: 30px;
638 }
639
640 .sub2_cflex2 {
641     display: flex;
642     flex-direction: row;
643 }
644
645 .sub3_cflex2 {
646     display: flex;
647     flex-direction: row;
648 }
649
650 .sub_contact_container2 {
651     display: flex;
652     flex-direction: row;
653     justify-content: center;
654     align-items: center;
655     width: 100%;
656     height: auto;
657     padding: 0px;
658 }
659
```

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

The Outcome of this Change on the Web Page (This Only Misplaced both of the Elements)

Contact Us



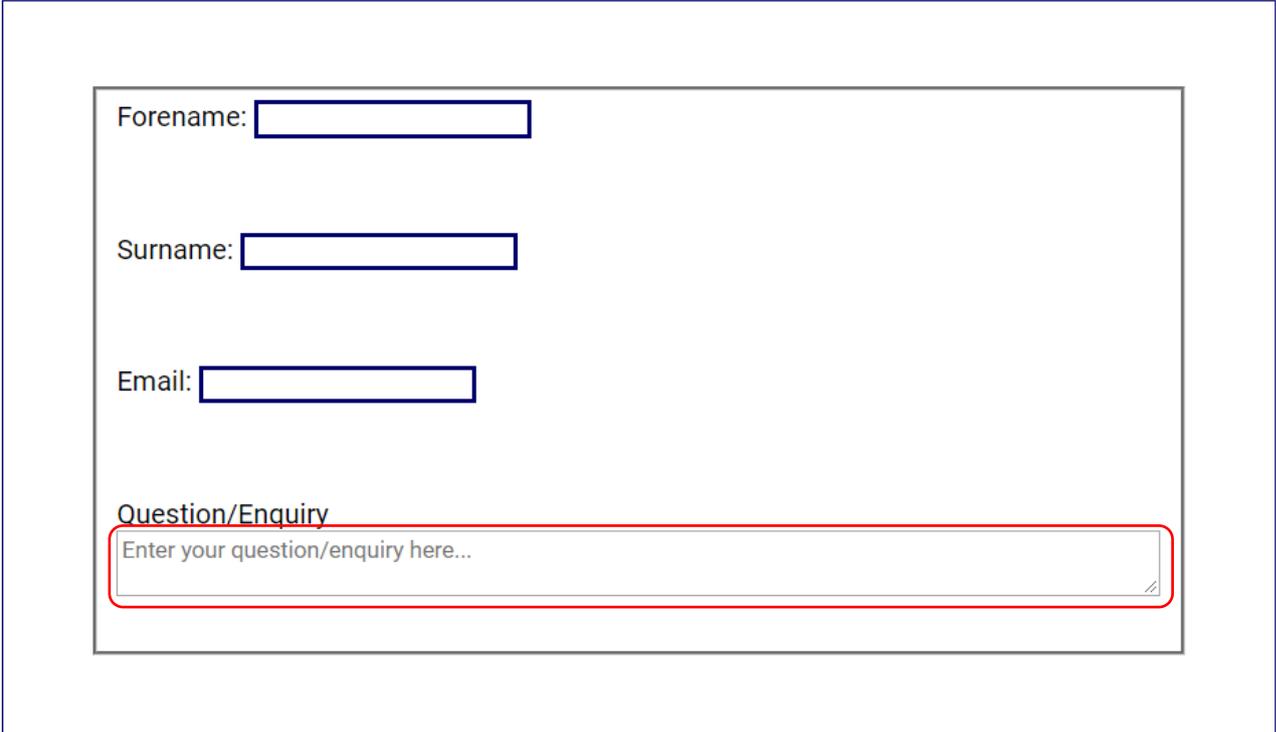
It was at this point that I decided to leave this section of the page and move onto another part and return to this section at a later date.

I then decided to begin with creating the contact form. After integrating the code I had on my own personal website, I then started to style this to represent the style of the CFENC website. However, at first, I encountered the problem of the styles not applying properly:

The HTML Code for the Contact form at this Current time with the Part that Wasn't Styling Properly

```
<div class="sub_contact_container2">
  <div class="contact_flex3">
    <form action="mailto:enquiries@danielhwilkins.co.uk" method="post" enctype="text/plain"><fieldset id="contact_form_new">
      <div class="form_centre">
        <label for="forename" class="contact_label">Forename:</label>
        <input type="text" name="forename" id="forename" class="input_fields">
      </div>
      <br><br><br>
      <div class="form_centre">
        <label for="surname" class="contact_label">Surname:</label>
        <input type="text" name="surname" id="surname" class="input_fields">
      </div>
      <br><br><br>
      <div class="form_centre">
        <label for="email" class="contact_label">Email:</label>
        <input type="text" name="email" id="email" class="input_fields"> <!--https://www.w3schools.com/tags/att_input_disabled.as
      </div>
      <br><br><br>
      <label for="comments" class="contact_label">Question/Enquiry</label><br>
      <textarea class="txtarea_styles" placeholder="Enter your question/enquiry here..." class="input_fields"></textarea><br><br>
      <!--https://www.w3schools.com/howto/tryit.asp?filename=trynow_css_contact_form - REFERENCE DONE-->
      <!--https://www.w3schools.com/howto/howto_css_contact_form.asp - REFERENCE DONE-->
      <!--<div class="form_buttons_container">
        <!--<input type="submit" value="Send" class="form_buttons"> <!--w3schools--> <!--https://www.w3schools.com/Html/tryit
        asp?filename=tryhtml_form_mail - REFERENCE DONE-->
        <!--<input type="reset" value="Reset" class="form_buttons">-->
      <!--</div-->
    </fieldset></form>
  </div>
</div>
```

The Outcome on the Web Page (The Styles weren't Applying Properly to parts of the Contact Form)



A screenshot of a web page showing a contact form. The form contains four input fields: 'Forename:', 'Surname:', 'Email:', and 'Question/Enquiry'. The 'Question/Enquiry' field is a text area with a placeholder text 'Enter your question/enquiry here...'. A red rectangular border is drawn around the 'Question/Enquiry' field, highlighting it.

I had then realised, after analysing the code, that I had already assigned a 'class' to the area I was trying to style through another 'class':

Two 'classes' being Assigned to the Same Element in the HTML file

```
<textarea class="txtarea_styles" placeholder="Enter your question/enquiry here..." class="input_fields"></textarea>
```

Consequently, I removed the 'class' just created and assigned the styles to the 'class' which had already existed and this solved the problem:

Assigning the Styles to the Existing 'class' in the CSS file

```
.txtarea_styles {  
  font-family: 'Roboto', sans-serif;  
  width: 100%;  
  height: auto;  
  border: 1px solid #00006A;  
}
```

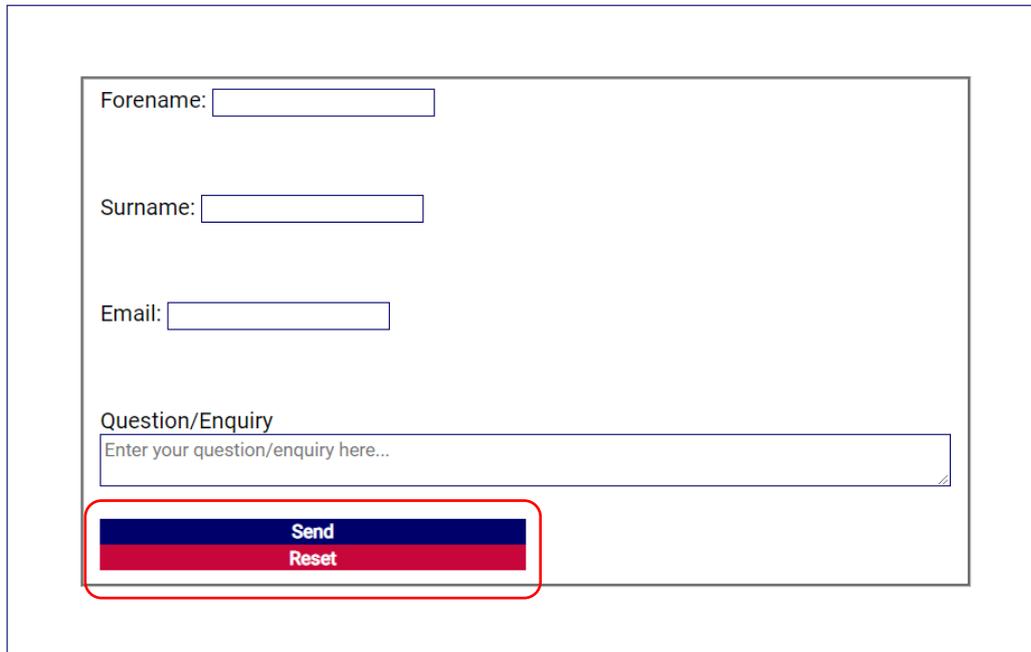
The Outcome on the Web Page (The Styles now Applied Properly)



A screenshot of the same web page showing the contact form. The 'Question/Enquiry' field now has a blue border, indicating that the styles have been applied correctly.

Whilst adding and styling the buttons/links for the form, I encountered a problem with each having widths of '50%' which in return caused them to be displayed under each other:

The Issue with the buttons/links being Displayed underneath each other



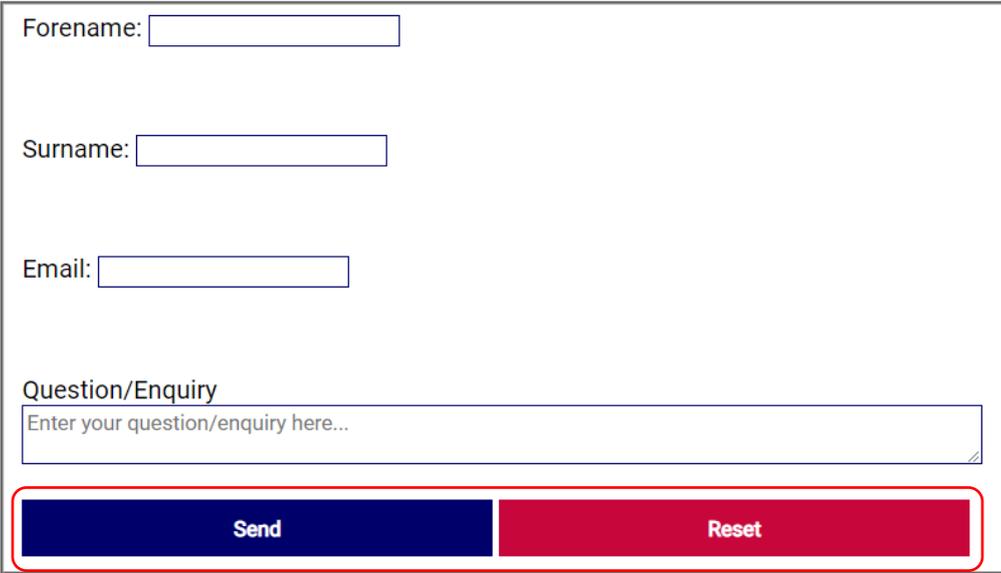
A screenshot of a web form with the following fields: Forename, Surname, Email, and a text area for 'Question/Enquiry'. Below the text area are two buttons: 'Send' (dark blue background, white text) and 'Reset' (red background, white text). The buttons are stacked vertically, with 'Reset' positioned directly below 'Send', indicating they are not side-by-side as intended.

I therefore then changed the width of each button/link to '49%' as I expected this to leave some space in between each of the buttons/links and cause them to be displayed on the same line. This, as expected, solved the problem:

Changing the widths of both Buttons/Links to '49%' in the CSS file

```
722
723 .submit_button {
724     display: inline-block;
725     width: 49%;
726     height: auto;
727     margin: auto;
728     background-color: #00006A;
729     color: white;
730     font-weight: bold;
731     font-family: 'Roboto', sans-serif;
732     border: none;
733     transition: 0.2s;
734     cursor: pointer;
735     padding: 10px;
736 }
737
738 .submit_button:hover {
739     background-color: #C7063B;
740     transition: 0.2s;
741 }
742
743 .reset_button {
744     display: inline-block;
745     width: 49%;
746     height: auto;
747     margin: auto;
748     background-color: #C7063B;
749     color: white;
750     font-weight: bold;
751     font-family: 'Roboto', sans-serif;
752     border: none;
753     transition: 0.2s;
754     cursor: pointer;
755     padding: 10px;
756 }
757
758 .reset_button:hover {
759     background-color: #00006A;
760     transition: 0.2s;
761 }
762
```

The Outcome of this on the Web Page (This now Solved the Issue)



The screenshot shows a contact form within a container. It includes three input fields: 'Forename:', 'Surname:', and 'Email:'. Below these is a text area labeled 'Question/Enquiry' with the placeholder text 'Enter your question/enquiry here...'. At the bottom, there are two buttons: a blue 'Send' button and a red 'Reset' button. A red border highlights the bottom section of the form containing the buttons.

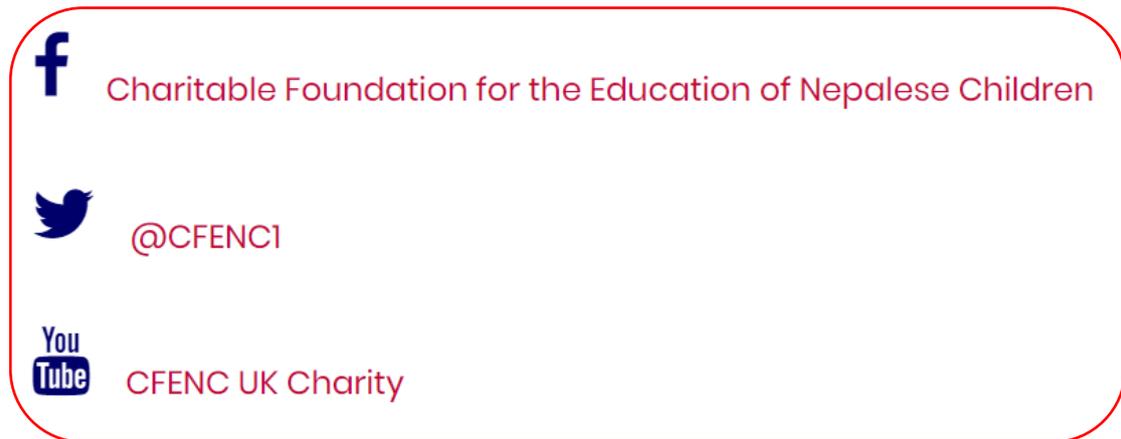
After creating the contact form and moving on to creating the social media contact details section of the page, I realised it would be best to change the layout so that the icons would be placed above the text and that this would then all be placed to centre of container. This was also something that was applied to the contact details regarding the telephone number, email and address. To begin I firstly changed the 'flex-direction' of the container containing the content to 'column':

Changing the 'flex-direction' from 'row' to 'column'

```
767
768 .sub.[contact_container2] {
769     display: flex;
770     flex-direction: row;
771     justify-content: center;
772     align-items: center;
773     width: 100%;
774     height: auto;
775     padding: 0px;
776 }
777
778 .contact_flex3 {
779     /*display: flex;*/ /*THIS CAUSED IS
780     background: none;
781     width: 50%;
782     height: auto;
783     padding: 10px;
784     margin: 10px;
785     /*border: 1px solid #00006A;*/
786 }
787
788 .contact_flex4 {
789     background: none;
790     width: 50%;
791     height: auto;
792     padding: 50px;
793     margin: 10px;
794     display: flex;
795     flex-direction: column;
796     /*border: 1px solid #00006A;*/
797 }
798
799 .contact_map {
800     width: 100%;
801     height: auto;
802 }
```

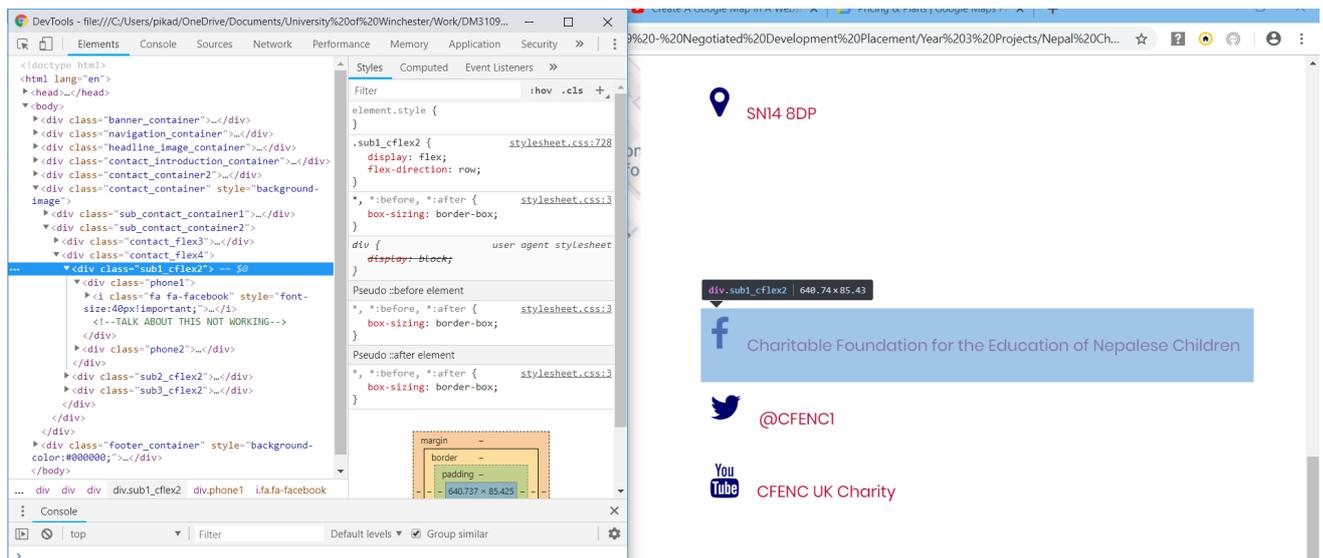
However, this didn't work as will be evident below:

The Outcome of this Change on the Web Page (This Didn't Work)



I then utilised the 'Google Developer Tools' provided by 'Google Chrome' to inspect one of the areas to understand why this didn't work and I found that I had to apply the same style as before but to another container instead:

Using 'Google Developer Tools' to Inspect one of the Areas on the Page



The Point where I had realised that the Styles needed to be Applied to the Container within the main Container for this Section of the Page

```
708
709 .contact_flex1 {
710   width: 50%;
711   height: auto;
712   padding: 0px;
713   margin: 10px;
714   /*border: 1px solid #00006A;*/
715 }
716
717 .contact_flex2 {
718   background: none;
719   width: 50%;
720   height: auto;
721   padding: 50px;
722   margin: 10px;
723   /*border: 1px solid #00006A;*/
724   display: flex;
725   flex-direction: column;
726 }
727
728 .sub1_cflex2 {
729   display: flex;
730   flex-direction: column;
731   justify-content: center;
732   align-items: center;
733 }
734
735 .phone1 {
736   padding: 10px;
737 }
738
739 .phone2 {
740   padding: 10px;
741 }
742
743 .sub2_cflex2 {
744   display: flex;
745   flex-direction: column;
746   justify-content: center;
747   align-items: center;
748 }
749
750 .email1 {
751   padding: 10px;
752 }
753
754 .email2 {
755   padding: 10px;
756 }
```

After doing this, this then managed to resolve the issue and centre the items in the centre of the container in a column format:

The Issue had now been Corrected



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'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

After this had been completed, I then applied this to the other sections which required this change and added 'padding' as well to space the items apart and add space.

After I had completed the previous task, the next task was to add 'PHP' and functionality to the contact form so that users could use it to send questions or messages to the clients. To begin, I followed the tutorials provided by 'w3schools' to make sure that I made a contact form function in a secure and safe way.

The first task that I completed through following the 'w3schools' tutorials related to testing if the user's input into the contact form would display on a separate page once the 'Submit' button/link had been selected:

Using the 'post' method to Output the User's Input onto the 'welcome.php' Page

```
<form action="welcome.php" method="post" enctype="text/plain"><fieldset>
  <div class="form_centre">
    <label for="forename" class="contact_label">Forename:</label>
    <input type="text" name="forename" id="forename" class="input_fields">
  </div>
  <br><br><br>
  <div class="form_centre">
    <label for="surname" class="contact_label">Surname:</label>
    <input type="text" name="surname" id="surname" class="input_fields">
  </div>
  <br><br><br>
  <div class="form_centre">
    <label for="email" class="contact_label">Email:</label>
    <input type="text" name="email" id="email" class="input_fields"> <!--https://www.w3schools.com/tags/att_input_disabled.asp -
  </div>
  <br><br><br>
  <label for="comments" class="contact_label">Question/Enquiry</label><br>
  <textarea class="txtarea_styles" placeholder="Enter your question/enquiry here..." name="enquiry_question"></textarea><br><br>
  <!--https://www.w3schools.com/howto/tryit.asp?filename=tryhow_css_contact_form - REFERENCE DONE-->
  <!--https://www.w3schools.com/howto/howto_css_contact_form.asp - REFERENCE DONE-->
  <div class="form_buttons_container">
    <input type="submit" value="Send" class="submit_button"> <!--w3schools--> <!--https://www.w3schools.com/Html/tryit.
    asp?filename=tryhtml_form_mail - REFERENCE DONE-->
    <input type="reset" value="Reset" class="reset_button">
  </div>
</fieldset></form>
```

The 'welcome.php' file's Code

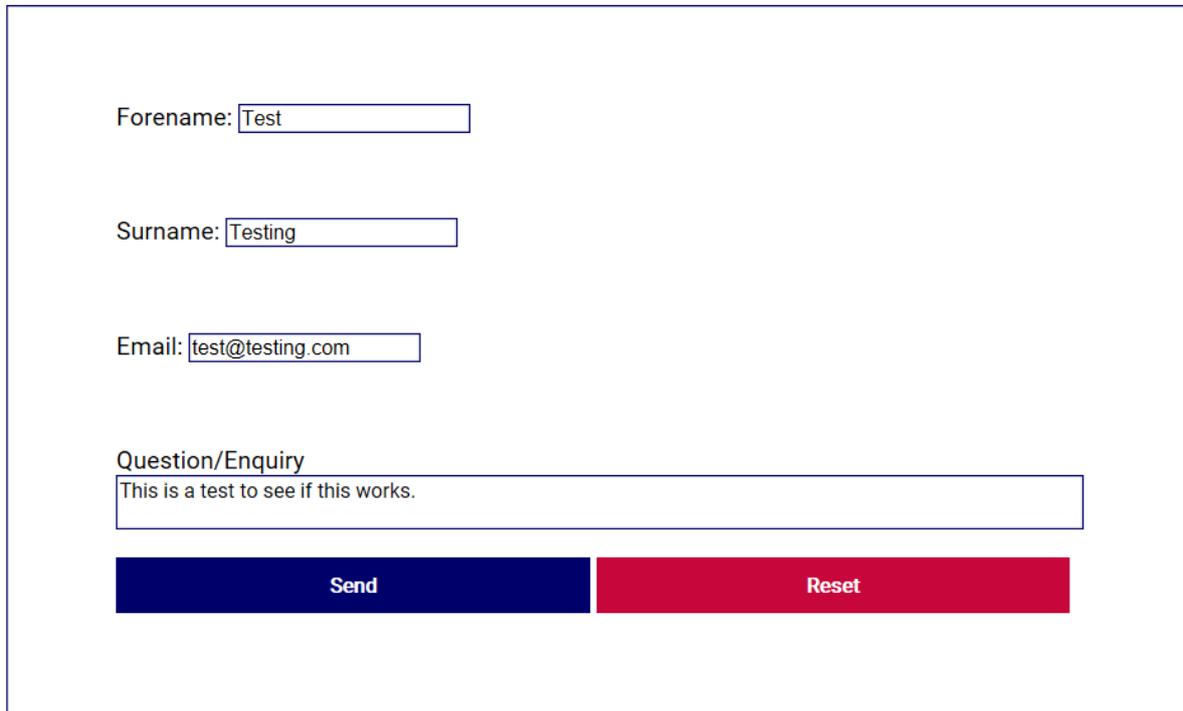
```
cfenc_contact_pg.html x welcome.php x
1 <html>
2 <body>
3
4 Welcome <?php echo $_POST["forename"]["surname"]; ?><br>
5 Your email address is: <?php echo $_POST["email"]; ?><br>
6 Your question/enquiry is: <?php echo $_POST["enquiry_question"]; ?>
7
8 </body>
9 </html>
10
11 <!-- SOURCE - https://www.w3schools.com/php/php_forms.asp -->
```

As can be seen above, the 'echo \$_POST' would display the user's input onto the page through collecting the 'name' tags of each of the input fields/text areas of which would contain the values entered by the user.

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

After moving the relevant files to the 'htdocs' folder inside the 'MAMP' folder, this now meant that I could test to see if this would work as the 'PHP' code would be executed:

Entering Test Details into the Contact form whilst Connected to 'localhost'

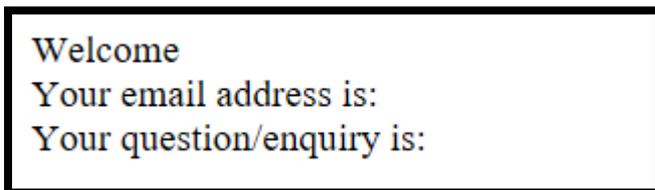


The screenshot shows a contact form with the following fields and buttons:

- Forename:
- Surname:
- Email:
- Question/Enquiry:
- Buttons: and

When submitting the contact form, the 'welcome.php' file was displayed with the aspects that didn't require the use of 'PHP' but the values I had entered hadn't appeared on the page:

The Values I had entered hadn't Displayed on the Page



The screenshot shows the output of the 'welcome.php' file:

Welcome
Your email address is:
Your question/enquiry is:

I then at first thought this may be something to do with the 'forename' and 'surname' being in the same line as each other so I tried adding a '+' symbol to resolve this if this was the issue that existed:

Adding a '+' Symbol between the 'forename' and 'surname'

```
cfenc_contact_pg.html x welcome.php x
1 <html>
2 <body>
3
4 Welcome <?php echo $_POST["forename"]+["surname"]; ?><br>
5 Your email address is: <?php echo $_POST["email"]; ?><br>
6 Your question/enquiry is: <?php echo $_POST["enquiry_question"]; ?>
7
8 </body>
9 </html>
10
11 <!-- SOURCE - https://www.w3schools.com/php/php_forms.asp -->
```

However, this didn't correct the problem and now, I only had the welcome message appear on the page:

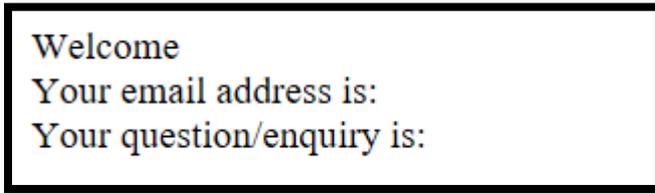


As a result of the previous outcome, I then decided to remove the 'surname' aspect from the 'PHP' code to identify if this was the aspect causing the problem:

Removing the 'Surname' Aspect from the PHP Code

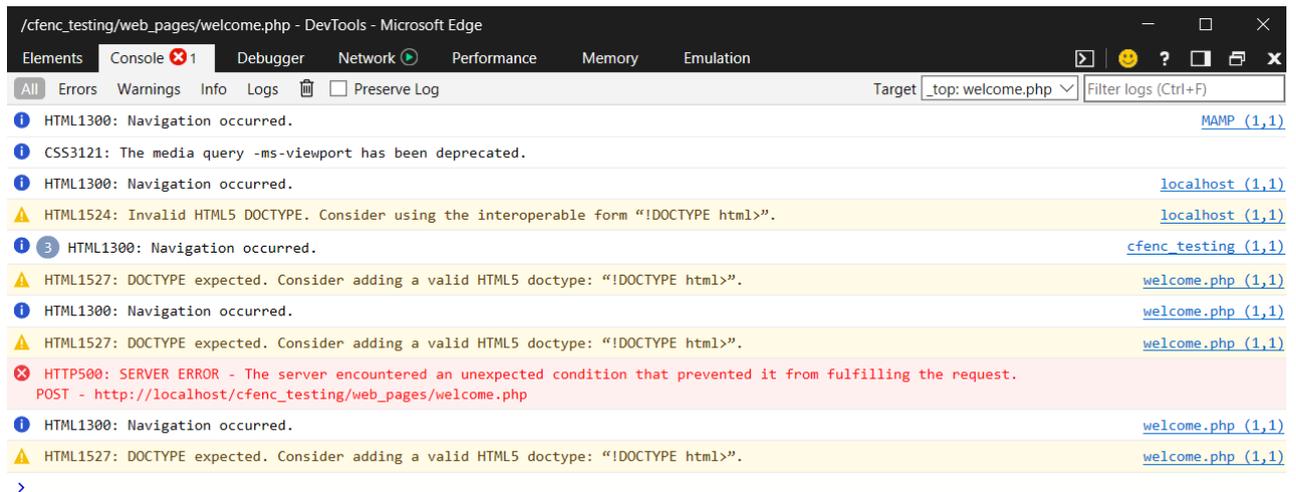
```
welcome.php x cfenc_contact_pg.html x
1 <html>
2 <body>
3
4 Welcome <?php echo $_POST["forename"]; ?><br>
5 Your email address is: <?php echo $_POST["email"]; ?><br>
6 Your question/enquiry is: <?php echo $_POST["enquiry_question"]; ?>
7
8 </body>
9 </html>
10
11 <!-- SOURCE - https://www.w3schools.com/php/php_forms.asp -->
```

Despite undertaking the previous task, I still encountered the same problem as before where none of the values entered into the form appeared on the 'welcome.php' page:



I then identified an error whilst using the 'inspect' tool in 'Microsoft Edge', however this was a generic error and as a result I therefore decided to copy the code directly from 'w3Schools' as I knew this would work due to the code being identical:

Identifying the General Error Called 'HTTP500' in the 'inspect' tool



Integrating the Code from 'w3Schools' into the file I was Currently Working on for Testing the Form's Functionality

```
<form action="welcome.php" method="post">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
<input type="submit">
</form>
```

Adding the Copied Code into the 'welcome.php' file to Relate to the Other Code in the other file

```
welcome.php x cfenc_contact_pg.html x
1 <html>
2 <body>
3
4 Welcome <?php echo $_POST["name"]; ?><br>
5 Your email address is: <?php echo $_POST["email"]; ?>
6
7 </body>
8 </html>
9
10 <!-- SOURCE - https://www.w3schools.com/php/php_forms.asp -->
```

After implementing the code from 'w3Schools', I now again entered some test values into the form and selected the 'Submit Query' button/link whilst on the contact form page:

Entering some Test Values into the Fields on the Form and Selecting the 'Submit Query' button/link

Name:
E-mail:

This then was now working and the form functioned as it should have with the entered values appearing on the 'welcome.php' page:

The Values now Appeared on the Page

Welcome Test Testing
Your email address is: test@testing.com

As now I knew that the form was functioning as it should, I then decided to try and add an 'enquiry/question' section into the form to see if this would work as well:

Adding the 'enquiry/question' Section to the form

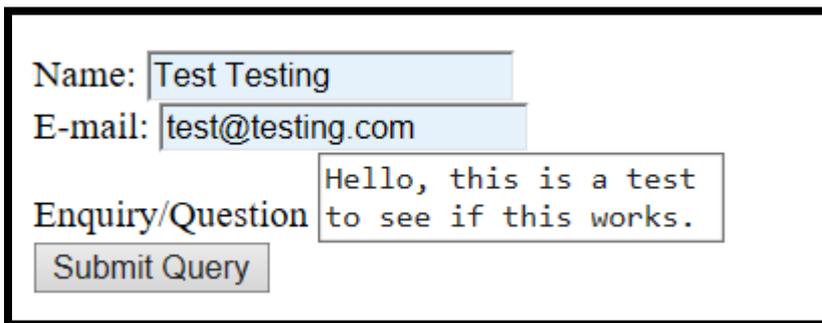
```
<form action="welcome.php" method="post">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
Enquiry/Question <textarea placeholder="Enter your question/enquiry here..." name="enquiry"></textarea><br>
<input type="submit">
</form>
```

Adding the Required PHP Code to Display the Entered Value of this Field once Submitting the form

```
welcome.php      x   cfenc_contact_pg.html x
1  <html>
2  <body>
3
4  Welcome <?php echo $_POST["name"]; ?><br>
5  Your email address is: <?php echo $_POST["email"]; ?><br>
6  Your enquiry/question is: <?php echo $_POST["enquiry"]; ?>
7
8  </body>
9  </html>
10
11 <!-- SOURCE - https://www.w3schools.com/php/php_forms.asp -->
```

After the required code had been added, I then entered some test values again into the contact form with the emphasis this time being on the 'enquiry/question' field and whether this would work:

Adding Values to the fields on the Contact Form



The screenshot shows a web form with three input fields and a submit button. The 'Name' field contains 'Test Testing', the 'E-mail' field contains 'test@testing.com', and the 'Enquiry/Question' field contains 'Hello, this is a test to see if this works.' The submit button is labeled 'Submit Query'.

This then worked and all of the values appeared on the 'welcome.php' page:

Welcome Test Testing
Your email address is: test@testing.com
Your enquiry/question is: Hello, this is a test to see if this works.

After completing the first process of the 'w3Schools' tutorials, I then undertook the next part which involved posting the user's input onto the page in the same page and starting to add better security through the use of 'htmlspecialchars', integrating the code from 'w3Schools' and adapting this where necessary:

Adding the Required Code and Adapting this where Necessary for the Contact Page

```
<?php
// define variables and set to empty values
$name = $email = $enquiry = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = test_input($_POST["name"]);
    $email = test_input($_POST["email"]);
    $website = test_input($_POST["enquiry"]);
}

function test_input($data) {
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}
?>

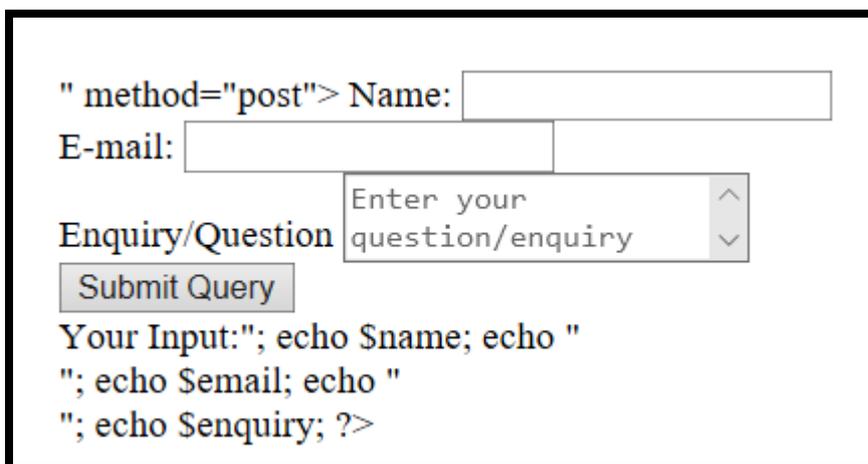
<form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>" method="post">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
Enquiry/Question <textarea placeholder="Enter your question/enquiry here..." name="enquiry" rows="10" cols="10"></textarea><br>
<input type="submit">
</form>

<?php
echo "<h2>Your Input:</h2>";
echo $name;
echo "<br>";
echo $email;
echo "<br>";
echo $enquiry;
?>
```

From my understanding the first part of the 'PHP' code would use the 'name' attributes for each of the input fields and add security through the function called 'test_input' as well as assigning these attributes to the variables called '\$name', '\$email' and '\$website' if the method of submitting the form was 'POST'. These variables would then be used to 'echo' the values entered into the fields by the user onto the page.

However, when testing the form to see if this functioned correctly, I then encountered the following problem before actually testing the form where 'PHP' code would be displayed onto the page and I knew from my understanding something was either wrong with the file or with the code inside it:

The Problem with the PHP Code being Displayed onto the Page



I first of all believed it to be because of the fact that the 'method="post"' being positioned in the incorrect place. Therefore, I then moved this to the start of the form tag and refreshed the page but this didn't have any effect on the outcome which meant it wasn't this causing the problem:

Moving the 'method="post"' to the start of the tag in the file

```
    }
  }
}
?>
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
```

The Outcome of this Change on the Web Page (The Issue still Remained)

"> Name:

E-mail:

Enquiry/Question

Your Input:"; echo \$name; echo "
"; echo \$email; echo "
"; echo \$enquiry; ?>

I had then noticed that I had assigned the wrong name to the part after the contact form that would display the 'enquiry/question' input as I still had '\$website' placed nearer to the top of the file and I therefore then believed that this may have been why the issue as occurring:

Incorrect Variable Name within the file ('\$website' instead of '\$enquiry')

```
<?php
// define variables and set to empty values
$name = $email = $enquiry = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = test_input($_POST["name"]);
    $email = test_input($_POST["email"]);
    $website = test_input($_POST["enquiry"]);
}

function test_input($data) {
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}
?>

<form method="post" action="<?php echo htmlspecialchars
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
Enquiry/Question <textarea placeholder="Enter your
<input type="submit" name="submit" value="Submit">
</form>

<?php
echo "<h2>Your Input:</h2>";
echo $name;
echo "<br>";
echo $email;
echo "<br>";
echo $enquiry;
?>
```

After correcting this in the file, this unfortunately didn't correct the issue on the web page as will be evident below:

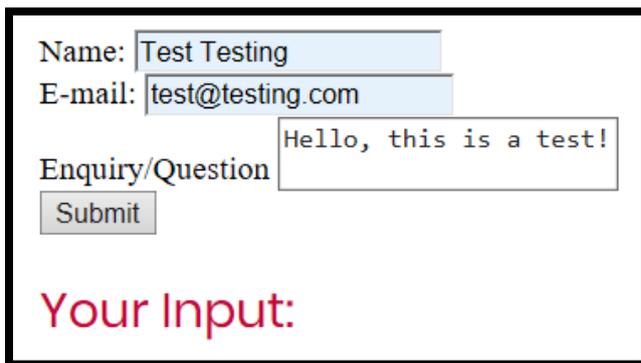
The Outcome of these Changes on the Web Page (The Issue still Remained on the Page)

"> Name:
E-mail:
Enquiry/Question

Your Input:"; echo \$name; echo "
"; echo \$email; echo "
"; echo \$enquiry; ?>

After exploring the previous areas, I had then actually realised that the file needed to be renamed from 'contact_pg.html' to 'contact_pg.php' in order for the 'PHP' code to execute properly which was a simple error that could be corrected easily. After renaming the file extension to '.php', I then noticed that the 'PHP' code was no longer being displayed on the page which meant that I then decided to test the form by entering some test values:

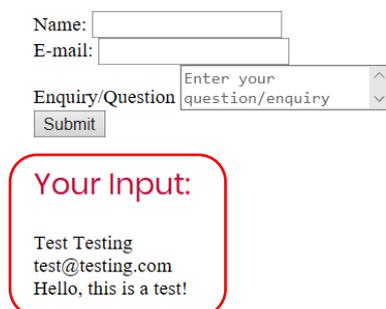
Entering Test Values into the Form to Test if it Functioned Properly (The User's Input was expected to be Displayed onto the Page)



A screenshot of a web form with a black border. The form contains three input fields: 'Name' with the value 'Test Testing', 'E-mail' with the value 'test@testing.com', and 'Enquiry/Question' with the value 'Hello, this is a test!'. Below the fields is a 'Submit' button. Below the form, the text 'Your Input:' is displayed in red. The form is highlighted with a light blue background.

This then did work correctly and displayed the values entered into the fields on the form after selecting the 'Submit' button/link:

The User's Input now Outputted onto the Page



A screenshot of the form output. The form fields are empty. Below the form, the text 'Your Input:' is displayed in red. Below this, the output is displayed: 'Test Testing', 'test@testing.com', and 'Hello, this is a test!'. The output is enclosed in a red rounded rectangle.

After this part of the process had been completed, I then began the next step which involved integrating validation for the form. To begin I removed the following code:

```
$name = test_input($_POST["name"]);  
$email = test_input($_POST["email"]);  
$enquiry = test_input($_POST["enquiry"]);  
}
```

After removing the code shown above, I then added the following 'PHP' code into the file to replace this:

```
<?php  
// define variables and set to empty values  
$nameErr = $emailErr = $enquiryErr = "";  
$name = $email = $enquiry = "";  
  
if ($_SERVER["REQUEST_METHOD"] == "POST") {  
    if (empty($_POST["name"])) {  
        $nameErr = "Name is required";  
    } else {  
        $name = test_input($_POST["name"]);  
    }  
  
    if (empty($_POST["email"])) {  
        $emailErr = "Email is required";  
    } else {  
        $email = test_input($_POST["email"]);  
    }  
  
    if (empty($_POST["enquiry"])) {  
        $enquiryErr = "Enquiry/Question is required";  
    } else {  
        $enquiry = test_input($_POST["enquiry"]);  
    }  
}  
  
function test_input($data) {  
    $data = trim($data);  
    $data = stripslashes($data);  
    $data = htmlspecialchars($data);  
    return $data;  
}  
}  
>>  
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">  
Name: <input type="text" name="name">  
<span class="error">* <?php echo $nameErr;?></span>  
<br>  
E-mail: <input type="text" name="email">  
<span class="error">* <?php echo $emailErr;?></span>  
<br>  
Enquiry/Question <textarea placeholder="Enter your question/enquiry here..." name="enquiry">  
<span class="error">* <?php echo $enquiryErr;?></span>  
<br>  
<input type="submit" name="submit" value="Submit">  
</form>
```

The code highlighted above would add validation to stop the user submitting the form if they had forgotten to enter a value for the fields on the form. This would be completed through the use of 'if' and 'else' statements where if the fields were empty, a message would appear reminding users to fill out the required fields otherwise, the values entered would be outputted onto the page. These would check against the variables already created and assigned within each of the fields, for example the '\$nameErr' variable.

After I had added the required parts to the code, I now tried loading page but all that appeared was a blank page of which I understood to be caused by either a missing closing bracket, semi-colon or something similar so therefore I analysed the file to find if this was why:

The Blank Page Appearing when Loading the Page



After analysing the file, I then realised that I had missed out a closing curly brace as expected from my initial judgement:

Adding the Missing Closing Curly Brace to the file

```
<?php
// define variables and set to empty values
$nameErr = $emailErr = $enquiryErr = "";
$name = $email = $enquiry = "";

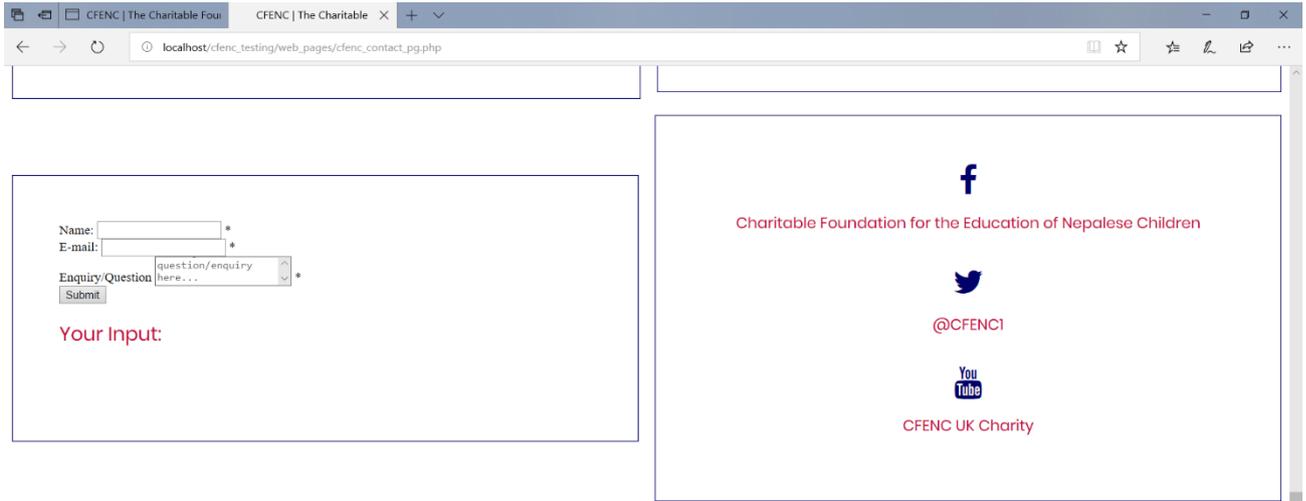
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (empty($_POST["name"])) {
        $nameErr = "Name is required";
    } else {
        $name = test_input($_POST["name"]);
    }

    if (empty($_POST["email"])) {
        $emailErr = "Email is required";
    } else {
        $email = test_input($_POST["email"]);
    }

    if (empty($_POST["enquiry"])) {
        $enquiryErr = "Enquiry/Question is required";
    } else {
        $enquiry = test_input($_POST["enquiry"]);
    }
}
```

After adding the missing curly brace, the page was now appearing:

The Page now Displayed



After this, I then decided to test the validation to see if this would work by leaving each input field empty and selecting the 'Submit' button/link of which the errors then did appear:

The Validation was Working Correctly

* required field

Name: * Name is required

E-mail: * Email is required

Enquiry/Question * Enquiry/Question is required

Your Input:

Following on from this aspect, I added the proper validation to prevent people from abusing the contact form by entering the wrong types of data, using a tutorial from 'w3schools':

Adding the Validation Code Explained above for the Name and Email Fields

```
<?php
// define variables and set to empty values
$nameErr = $emailErr = $enquiryErr = "";
$name = $email = $enquiry = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (empty($_POST["name"])) {
        $nameErr = "Name is required";
    } else {
        $name = test_input($_POST["name"]);
        // check if name only contains letters and whitespace
        if (!preg_match("/^[a-zA-Z ]*$/", $name)) {
            $nameErr = "Only letters and white space allowed";
        }
    }

    if (empty($_POST["email"])) {
        $emailErr = "Email is required";
    } else {
        $email = test_input($_POST["email"]);
        if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
            $emailErr = "Invalid email format";
        }
    }

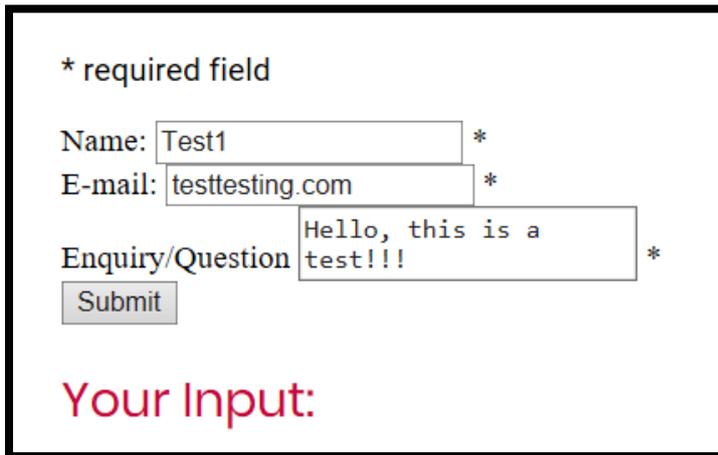
    if (empty($_POST["enquiry"])) {
        $enquiryErr = "Enquiry/Question is required";
    } else {
        $email = test_input($_POST["enquiry"]);
    }
}

function test_input($data) {
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}
?>
```

As is evident by the comments included by 'w3Schools', the validation for the name prevents anything else other than letters and whitespace from being entered and the email prevents an email address being submitted if an '@' symbol isn't included.

I then entered some test values into the fields on the form which should have not been accepted if the validation was functioning correctly:

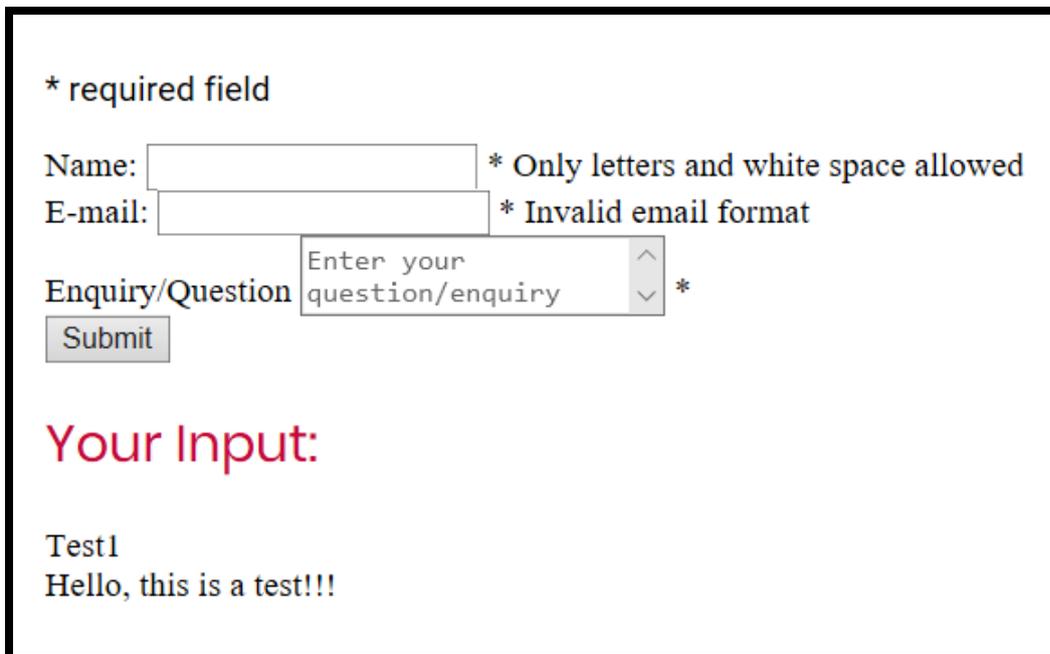
Entering some Invalid Values into the Form Fields



A screenshot of a web form with a black border. At the top left, it says "* required field". Below this are three input fields: "Name:" with the value "Test1", "E-mail:" with the value "testtesting.com", and "Enquiry/Question" with the value "Hello, this is a test!!!". Each field has an asterisk to its right. Below the fields is a "Submit" button. At the bottom of the form, the text "Your Input:" is displayed in red.

The validation did then function correctly and the errors displayed, however the name was still outputted onto the page but I believed I could return to this when the other aspects had been finished from the tutorial:

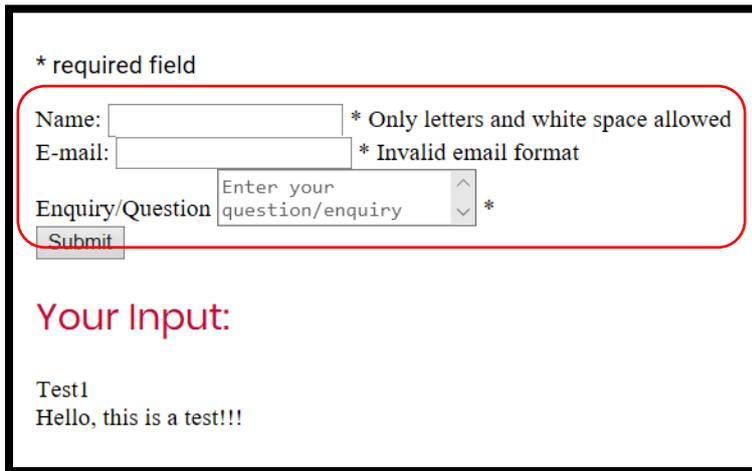
The Errors now Appeared with the Name Still being Outputted onto the Page



A screenshot of a web form with a black border. At the top left, it says "* required field". Below this are three input fields: "Name:" which is empty and has the error message "* Only letters and white space allowed" to its right; "E-mail:" which is empty and has the error message "* Invalid email format" to its right; and "Enquiry/Question" which contains the text "Enter your question/enquiry" and has an asterisk to its right. Below the fields is a "Submit" button. At the bottom of the form, the text "Your Input:" is displayed in red. Below this, the text "Test1" and "Hello, this is a test!!!" is displayed, representing the output of the form.

The last aspect of the tutorial was adding in some code to keep the values entered into the fields in the fields when submitting the form rather than disappearing as they had done before:

Example of the fields being Emptied when Submitting the Form



* required field

Name: * Only letters and white space allowed

E-mail: * Invalid email format

Enquiry/Question *

Your Input:

Test1
Hello, this is a test!!!

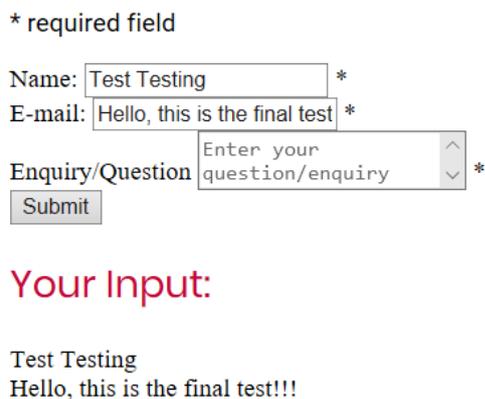
Adding the following Code to Prevent the Previous from Occurring

```
function test_input($data) {
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}
<?php
<p><span class="error">* required field</span></p>
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
Name: <input type="text" name="name" value="<?php echo $name;?>">
<span class="error">* <?php echo $nameErr;?></span>
<br>
E-mail: <input type="text" name="email" value="<?php echo $email;?>">
<span class="error">* <?php echo $emailErr;?></span>
<br>
Enquiry/Question <textarea placeholder="Enter your question/enquiry here..." name="enquiry" rows="10" cols="10" value="<?php echo $enquiry;?>"></textarea>
<span class="error">* <?php echo $enquiryErr;?></span>
</form>
```

From my understanding, when the user had entered their values for each field, this would then be used to display this when the page had been refreshed after submitting the form.

This then worked apart from the 'enquiry/question' input field as I had included the 'value=""' which didn't need to be included for this field. However, the example below shows that this did work when applied correctly:

This Functioned as it Should have with the Fields Returning the Values entered Before



* required field

Name: *

E-mail: *

Enquiry/Question *

Your Input:

Test Testing
Hello, this is the final test!!!

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

It was at this point, after spending a considerable amount of time on the form shown above, that I then realised that I had created the wrong type of form so therefore I had to start again. However, the form before provided me with some insight to how this type of form would function and would be something that I could refer to in the future if required.

To begin with the new form, I integrated some code found from another resource on the Internet, applying my website email as something which could be used to send the information to for testing:

Integrating the Code found from an Internet Source into the Code I had at the Current time

```
<?php
// define variables and set to empty values
$nameErr = $emailErr = $enquiryErr = "";
$name = $email = $enquiry = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (empty($_POST["name"])) {
        $nameErr = "Name is required";
    } else {
        $name = test_input($_POST["name"]);
        // check if name only contains letters and whitespace
        if (!preg_match("/^[a-zA-Z ]*$/",$name)) {
            $nameErr = "Only letters and white space allowed";
        }
    }

    if (empty($_POST["email"])) {
        $emailErr = "Email is required";
    } else {
        $email = test_input($_POST["email"]);
        if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
            $emailErr = "Invalid email format";
        }
    }

    if (empty($_POST["enquiry"])) {
        $enquiryErr = "Enquiry/Question is required";
    } else {
        $enquiry = test_input($_POST["enquiry"]);
    }

    function test_input($data) {
        $data = trim($data);
        $data = stripslashes($data);
        $data = htmlspecialchars($data);
        return $data;
    }
}

if (isset($_REQUEST['email'])) {
    //Email information
    $admin_email = "enquiries@danielhwilkins.co.uk";
    $name = $_REQUEST['name'];
    $email = $_REQUEST['email'];
    $enquiry = $_REQUEST['enquiry'];

    //send email
    mail($admin_email, "$name", $enquiry, "From:" . $email);

    //Email response
    echo "Thank you for contacting us!";
}

//if "email" variable is not filled out, display the form
else { }
}

<p><span class="error">* required field</span></p>
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_
Name: <input type="text" name="name" value="<?php echo $name;?>">
<span class="error">* <?php echo $nameErr;?></span>
<br>
E-mail: <input type="text" name="email" value="<?php echo $email;?>">
<span class="error">* <?php echo $emailErr;?></span>
<br>
Enquiry/Question <textarea placeholder="Enter your question/enquiry he
<span class="error">* <?php echo $enquiryErr;?></span>
<br>
<input type="submit" name="submit" value="Submit">
</form>
```

This code would help to send the information entered into the contact form to the email provided, in this case 'enquiries@danielhwilkins.co.uk', and if successful a message would be displayed saying 'Thank you for contacting us!'.

However, when testing the form now to see if this functioned, this didn't work and the whole of the contact form wasn't being displayed:

The Contact form was now not Displaying on the Page



After moving the position of some of the 'PHP' code as well as trying other aspects, from undertaking research, I understood that the reason why the information wasn't being sent was due to the fact that this couldn't be done through 'localhost'. Therefore, I created a new version of the website in preparation for uploading to my server to test this.

To begin, I first of all tried structuring the current code as shown below:

The First Attempt at Structuring the Code in order to allow for the Form to Function Correctly

```
<?php
// define variables and set to empty values
$nameErr = $emailErr = $enquiryErr = "";
$name = $email = $enquiry = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (empty($_POST["name"])) {
        $nameErr = "Name is required";
    } else {
        $name = test_input($_POST["name"]);
        // check if name only contains letters and whitespace
        if (!preg_match("/^[a-zA-Z ]*$/",$name)) {
            $nameErr = "Only letters and white space allowed";
        }
    }

    if (empty($_POST["email"])) {
        $emailErr = "Email is required";
    } else {
        $email = test_input($_POST["email"]);
        if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
            $emailErr = "Invalid email format";
        }
    }

    if (empty($_POST["enquiry"])) {
        $enquiryErr = "Enquiry/Question is required";
    } else {
        $enquiry = test_input($_POST["enquiry"]);
    }

    if (isset($_REQUEST['email'])) {

        //Email information
        $admin_email = "enquiries@danielhwilkins.co.uk";
        $name = $_REQUEST['name'];
        $email = $_REQUEST['email'];
        $enquiry = $_REQUEST['enquiry'];

        //send email
        mail($admin_email, "$name", $enquiry, "From:" . $email);

        //Email response
        echo "Thank you for contacting us!";
    }

    //if "email" variable is not filled out, display the form
    else { }
```

```
function test_input($data) {
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}

}
}}

<p><span class="error">* required field</span></p>
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
Name: <input type="text" name="name" value="<?php echo $name;?>">
<span class="error">* <?php echo $nameErr;?></span>
<br>
E-mail: <input type="text" name="email" value="<?php echo $email;?>">
<span class="error">* <?php echo $emailErr;?></span>
<br>
Enquiry/Question <textarea placeholder="Enter your question/enquiry here..." name="enquiry" rows="10" cols="10"><?php echo $enquiry;?></textarea>
<span class="error">* <?php echo $enquiryErr;?></span>
<br>
<input type="submit" name="submit" value="Submit">
</form>
<?php
echo "<h2>Your Input:</h2>";
echo $name;
echo "<br>";
echo $email;
echo "<br>";
echo $enquiry;
?>
```

The form had now displayed but then when submitting the form, this caused the form to disappear completely from the page as similar to before:

The form had now Disappeared from the Page when Submitting the Form



Therefore, because the previous attempt hadn't been successful, I therefore then tried structuring the code in a different way as will be seen below:

Structuring the Code in a Different way from Before

```
<?php
// define variables and set to empty values
$nameErr = $emailErr = $enquiryErr = "";
$name = $email = $enquiry = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (empty($_POST["name"])) {
        $nameErr = "Name is required";
    } else {
        $name = test_input($_POST["name"]);
        // check if name only contains letters and whitespace
        if (!preg_match("/^[a-zA-Z ]*$/",$name)) {
            $nameErr = "Only letters and white space allowed";
        }
    }

    if (empty($_POST["email"])) {
        $emailErr = "Email is required";
    } else {
        $email = test_input($_POST["email"]);
        if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
            $emailErr = "Invalid email format";
        }
    }

    if (empty($_POST["enquiry"])) {
        $enquiryErr = "Enquiry/Question is required";
    } else {
        $enquiry = test_input($_POST["enquiry"]);
    }

    function test_input($data) {
        $data = trim($data);
        $data = stripslashes($data);
        $data = htmlspecialchars($data);
        return $data;
    }

    if (isset($_REQUEST['email'])) {

        //Email information
        $admin_email = "enquiries@danielhwilkins.co.uk";
        $name = $_REQUEST['name'];
        $email = $_REQUEST['email'];
        $enquiry = $_REQUEST['enquiry'];

        //send email

        mail($admin_email, "$name", $enquiry, "From:" . $email);

        //Email response
        echo "Thank you for contacting us!";
    }

    //if "email" variable is not filled out, display the form
    else { }
}
?>
```

However, this didn't resolve the issue and this still remained when submitting the form:

The Same Issue as Before



Then I found, after looking at one of the previous screenshots, that I needed to close the curly braces before the function was executed so I therefore did this:

Closing the Curly Braces in the Code

```
<?php
// define variables and set to empty values
$nameErr = $emailErr = $enquiryErr = "";
$name = $email = $enquiry = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (empty($_POST["name"])) {
        $nameErr = "Name is required";
    } else {
        $name = test_input($_POST["name"]);
        // check if name only contains letters and whitespace
        if (!preg_match("/^[a-zA-Z ]*$/",$name)) {
            $nameErr = "Only letters and white space allowed";
        }
    }

    if (empty($_POST["email"])) {
        $emailErr = "Email is required";
    } else {
        $email = test_input($_POST["email"]);
        if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
            $emailErr = "Invalid email format";
        }
    }

    if (empty($_POST["enquiry"])) {
        $enquiryErr = "Enquiry/Question is required";
    } else {
        $enquiry = test_input($_POST["enquiry"]);
    }
}

function test_input($data) {
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}
```

```
if (isset($_REQUEST['email'])) {
    //Email information
    $admin_email = "enquiries@danielhwilkins.co.uk";
    $name = $_REQUEST['name'];
    $email = $_REQUEST['email'];
    $enquiry = $_REQUEST['enquiry'];

    //send email
    mail($admin_email, "$name", $enquiry, "From: " . $email);

    //Email response
    echo "Thank you for contacting us!";
}

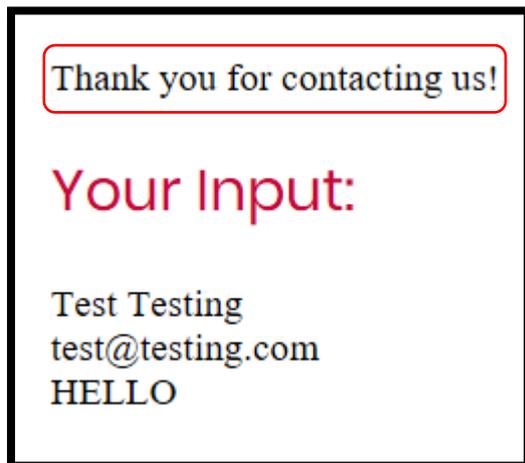
//if "email" variable is not filled out, display the form
else {
?>

<p><span class="error">* required field</span></p>
<form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
Name: <input type="text" name="name" value="<?php echo $name;?>">
<span class="error">* <?php echo $nameErr;?></span>
<br>
E-mail: <input type="text" name="email" value="<?php echo $email;?>">
<span class="error">* <?php echo $emailErr;?></span>
<br>
Enquiry/Question <textarea placeholder="Enter your question/enquiry here..." name="enquiry" rows="10" cols="10"><?php echo $enquiry;?></textarea>
<span class="error">* <?php echo $enquiryErr;?></span>
<br>
<input type="submit" name="submit" value="Submit">
</form>
<?php
}
?>

<?php
echo "<h2>Your Input:</h2>";
echo $name;
echo "<br>";
echo $email;
echo "<br>";
echo $enquiry;
?>
</div>
```

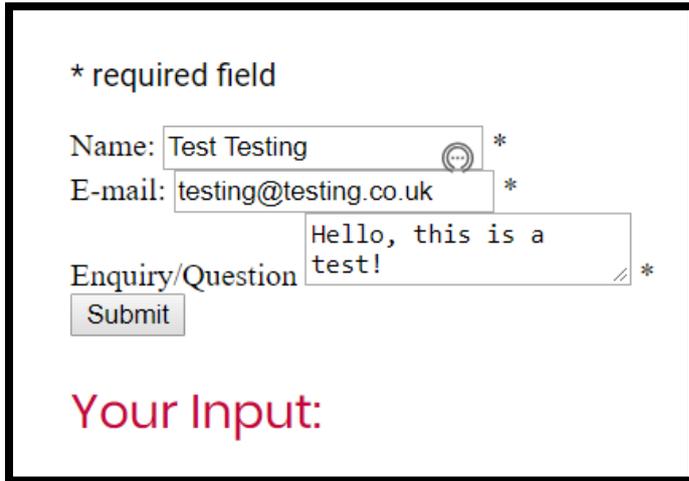
After completing the previous action, I then tested the contact form by entering test values and submitting the form and this time this had worked as the message had appeared reading 'Thank you for contacting us!':

The Form now Functioned as it Should have



As I had realised that this was now working, I applied this to the file that I was going to upload to the server after making a few changes to other areas and tested this whilst live on the server to see if it sent the email to my email account:

Filling out the form Sections whilst the Website was on the Server



* required field

Name: *

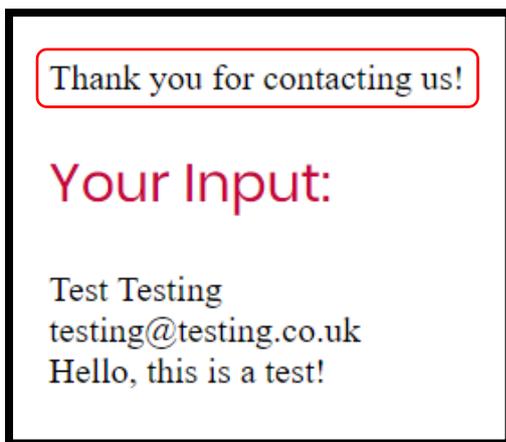
E-mail: *

Enquiry/Question *

Your Input:

After submitting the form, the same message appeared as before so I knew the details had been sent but I ensured that this had been sent correctly by checking the 'inbox' on my email account:

The Thank you Message Appeared



Thank you for contacting us!

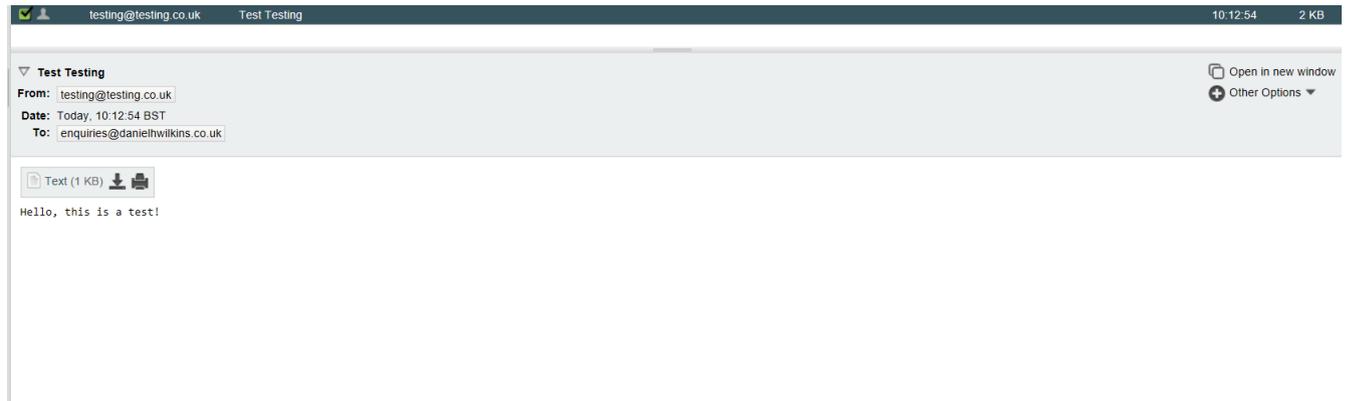
Your Input:

Test Testing
testing@testing.co.uk
Hello, this is a test!

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

After checking my 'inbox' on my email account, I had received the information sent from the form and this now meant that now the form was working successfully:

The Email now Appeared in my 'inbox' on my Email Account



As currently the styling of the thank you message wasn't in the style that suited the remainder of the website, I therefore changed this through help from 'Stack Overflow' and the outcome of this can be viewed below:

Changing the Code to include HTML Elements in the PHP Code

```
if (empty($_POST["enquiry"])) {
    $enquiryErr = "Enquiry/Question is required";
} else {
    $email = test_input($_POST["enquiry"]);
}

function test_input($data) {
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}

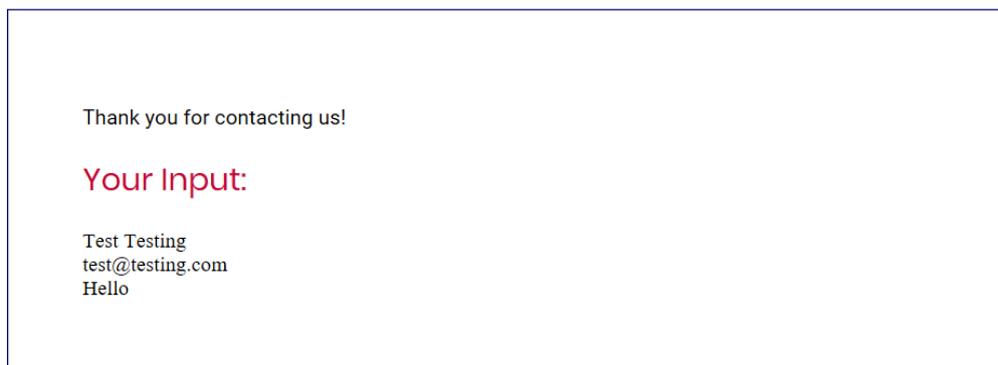
if (isset($_REQUEST['email'])) {
    //Email information
    $admin_email = "enquiries@danielwilkins.co.uk";
    $name = $_REQUEST['name'];
    $email = $_REQUEST['email'];
    $enquiry = $_REQUEST['enquiry'];

    //send email
    mail($admin_email, "$name", $enquiry, "From: " . $email);

    //Email response
    echo "<p>Thank you for contacting us!</p>";
}

//if "email" variable is not filled out, display the form
else {
    ?>
```

The Outcome of this on the Page



'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

Although the form was functioning properly with regards to sending the message to the provided email address, I had realised at this stage that the contact form could be sent without the validation applying which was an issue as this meant anything could be sent whether the data was valid or not. As a result of this I viewed a 'Jon Duckett' book and integrated the code with regards to the validation from the tutorial online:

Changing Aspects of the HTML Code to Replicate that of the Example where Appropriate

```
<p><span class="error">* required field</span></p>
<form method="post">

<div class="name"> <!--Realised Proper Error Message wasn't Displaying so added in the classes for name and email but didn't work-->
<label for="name" class="required">Name:</label>
<input type="text" name="name" id="name" required title="Please enter your name" placeholder="Enter name here...">
<span>*</span>
</div>

<div class="email">
<br><br>
<label for="email" class="required">E-mail:</label><!--Wasn't working originally due to the fact I hadn't added in all code-->
<input type="email" name="email" id="email" required placeholder="Enter email here..." title="Please enter your email address">
<span>*</span>
</div>

<br><br><br>

<label for="enquiry" class="required">Enquiry/Question</label>
<textarea title="Please enter your question" placeholder="Enter your question/enquiry here..." name="enquiry" rows="10" cols="10" required></textarea>
<span>*</span>
<br>

<input type="submit" name="submit" value="Submit">
</form>
</php
?>
</div>
```

Adding the JavaScript Code from the Example Online

```
cfenc_contact_pg2.php x cfenc_contact_pg3.php x validation.js — cfenc_testing/web_pages/js x validation.html
1 // JavaScript validation of subscription form.
2 // A. Anonymous function triggered by submit event
3 // B. Functions called to perform generic checks by anon function in section A
4 // C. Functions called to perform generic checks by anon function in section A
5 // D. Functions to get / set / show / remove error messages
6 // E. Object to check type of data using RegEx called by validateTypes in section B
7
8 // Dependencies: jQuery, jQueryUI, birthday.js, styles.css
9
10 (function () {
11     document.forms.register.noValidate = true; // Disable HTML5 validation - using JavaScript instead
12     // -----
13     // A) ANONYMOUS FUNCTION TRIGGERED BY THE SUBMIT EVENT
14     // -----
15     $('form').on('submit', function (e) { // When form is submitted
16         var elements = this.elements; // Collection of form controls
17         var valid = {}; // Custom valid object
18         var isValid; // isValid: checks form controls
19         var isFormValid; // isFormValid: checks entire form
20
21         // PERFORM GENERIC CHECKS (calls functions outside the event handler)
22         var i;
23         for (i = 0, l = elements.length; i < l; i++) {
24             // Next line calls validateRequired() validateTypes()
25             isValid = validateRequired(elements[i]) && validateTypes(elements[i]);
26             if (!isValid) { // If it does not pass these two tests
27                 showErrorMessage(elements[i]); // Show error messages
28             } else { // Otherwise
29                 removeErrorMessage(elements[i]); // Remove error messages
30             } // End if statement
31             valid[elements[i].id] = isValid; // Add element to the valid object
32         } // End for loop
33
34         // PERFORM CUSTOM VALIDATION
35         // bio (you could cache bio input in variable here)
36         if (!validateBio()) { // Call validateBio(), and if not valid
37             showErrorMessage(document.getElementById('bio')); // Show error message
38             valid.bio = false; // Update valid object - this element is not valid
39         } else { // Otherwise remove error message
40             removeErrorMessage(document.getElementById('bio'));
41         }
42
43         // password (you could cache password input in variable here)
44         if (!validatePassword()) { // Call validatePassword(), and if not valid
45             showErrorMessage(document.getElementById('password')); // Show error message
46             valid.password = false; // Update the valid object - this element is not valid
47         } else { // Otherwise remove error message
48             removeErrorMessage(document.getElementById('password'));
49         }
50     });
51 }
```

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

After experiencing some initial problems, I found that I hadn't added all the necessary code into the 'HTML' file and therefore I ensured that everything was added and then this resolved the initial problems:

An Example of the initial Problem with Regards to the Fact that the Email Address was not alerting that this had been entered without the '@' symbol (This was Due to the fact that I hadn't set 'input type' to email)

* required field

Name: *

E-mail: *

Enquiry/Question: *

This is a required field

The Current Result after Correcting the Issues Experienced before (The Validation now Worked)

* required field

Name: *

E-mail: *

Enquiry/Question: *

This is a required field

* required field

Name: *

E-mail: *

Enquiry/Question *

* required field

Name: *

E-mail: × *

Enquiry/Question *

* required field

Name: *

E-mail: *

This is a required field

Enquiry/Question *

Although I had thought that the validation was functioning correctly at this stage, I had soon realised that the validation wasn't linking to the 'JavaScript' file and that it was the browser applying the validation instead as the messages were different within the 'JavaScript' file:

Example of the Message being Different to the Current one Displayed

```
function validateRequired(el) {  
  if (isRequired(el)) { // I  
    var valid = !isEmpty(el); // I  
    if (!valid) { // I  
      setErrorMessage(el, 'Field is required!!!'); // I  
    }  
    return valid; // R  
  }  
  return true; // I  
}
```

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To try and attempt to correct this issue, I first tried adding in the classes which I believed to link to the 'JavaScript' file for the different sections but this didn't work as will be seen below:

Adding the Classes into the HTML file

```
<p><span class="error">* required field</span></p>
<form method="post">

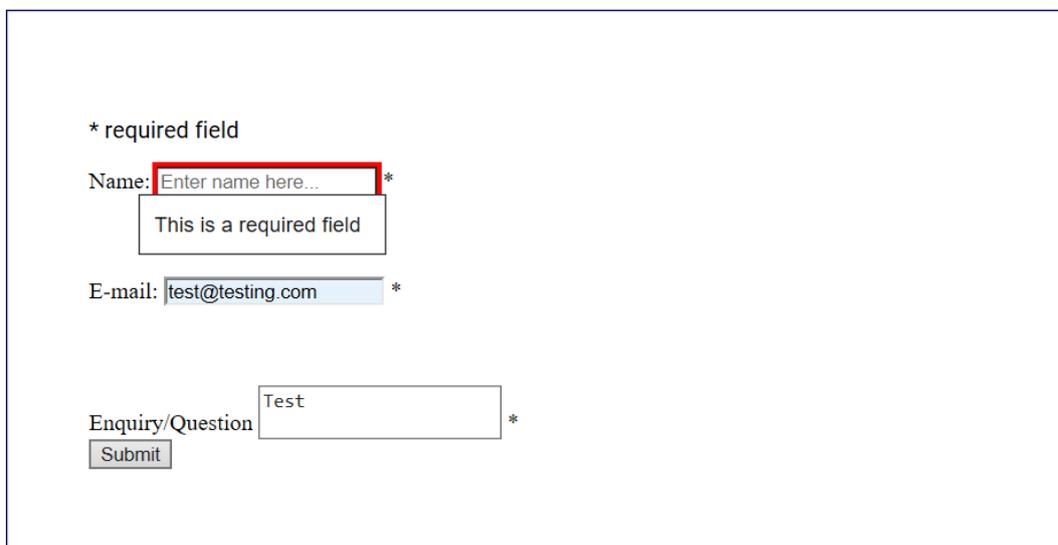
<div class="name">
<label for="name" class="required">Name:</label>
<input type="text" name="name" id="name" required title="Please enter your name" placeholder="Enter name here...">
<span></span>
</div>

<div class="email">
<br><br>
<label for="email" class="required">E-mail:</label>
<input type="email" name="email" id="email" required placeholder="Enter email here..." title="Please enter your email address">
<span></span>
</div>

<label for="enquiry" class="required">Enquiry/Question</label>
<textarea title="Please enter your question" placeholder="Enter your question/enquiry here..." name="enquiry" rows="10" cols="10" required></textarea>
<span></span>
<br>

<input type="submit" name="submit" value="Submit">
</form>
<?php
}
?>
</div>
```

The Outcome of this on the Web Page (This wasn't Successful)

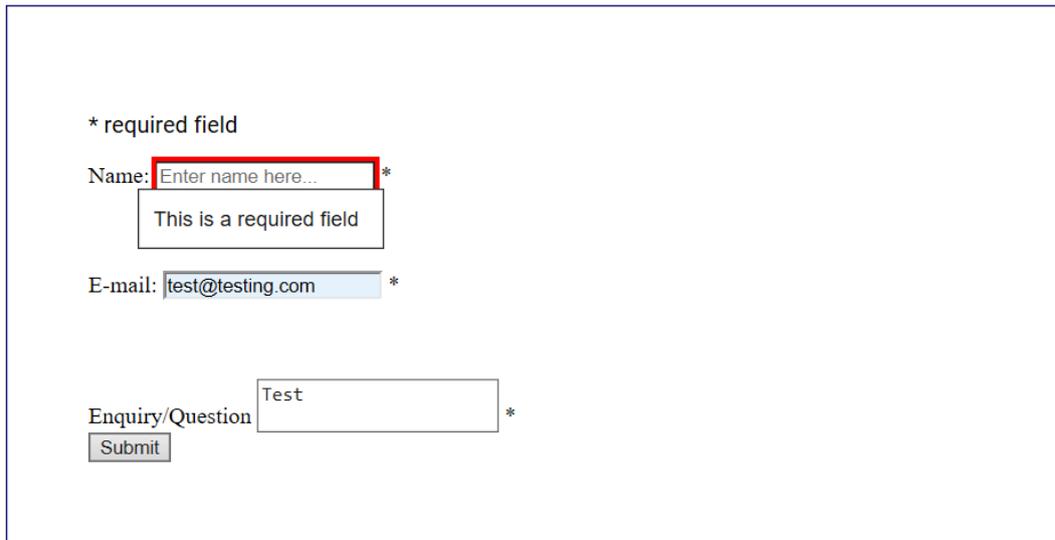


I then tried adding all of the links to the other 'JavaScript' files into the 'HTML' file as this was something that was included in the example and I thought this may affect the outcome. However, this didn't work as will be seen below even though I tried placing this in different aspects of the file such as the 'head' section:

Including the Links to the other JavaScript files

```
<script src="js/jquery-1.9.1.js"></script> <!-- TRIED AD
<script src="js/jquery-ui-1.10.3.custom.js"></script>
<script src="js/utilities.js"></script>
<script src="js/placeholder-polyfill.js"></script>
<script src="js/password-signup.js"></script>
<script src="js/birthday.js"></script>
<script src="js/validation.js"></script>
<script src="js/bio.js"></script>
<!--</div-->
```

The Outcome on the Web Page (This wasn't Successful)



* required field

Name: *

This is a required field

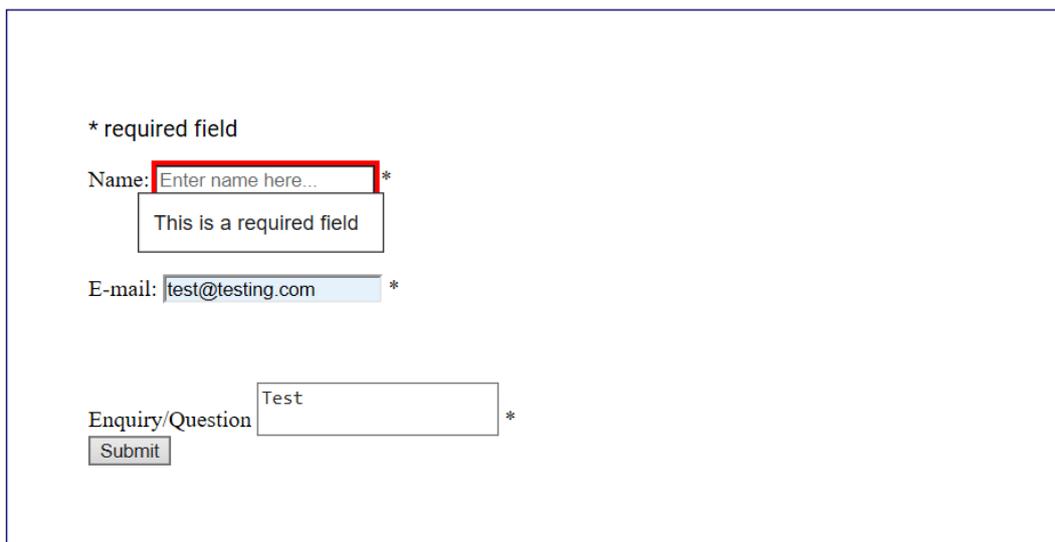
E-mail: *

Enquiry/Question *

Detailed description: This is a screenshot of a web form. At the top, it says '* required field'. Below that are three input fields. The first is labeled 'Name:' and contains the placeholder text 'Enter name here...'. It has a red border and a small asterisk to its right. A white tooltip box is positioned below it with the text 'This is a required field'. The second field is labeled 'E-mail:' and contains the text 'test@testing.com'. It also has a small asterisk to its right. The third field is labeled 'Enquiry/Question' and contains the text 'Test'. It has a small asterisk to its right. Below the fields is a grey 'Submit' button.

After realising that the other 'JavaScript' files weren't helping to solve the issue, I removed these and the other 'JavaScript' link I had which related to the validation and I had then realised that the reason these weren't helping was because these weren't working anyway:

The Outcome on the Web Page after Removing the JavaScript Links in the HTML file



* required field

Name: *

This is a required field

E-mail: *

Enquiry/Question *

Detailed description: This is a screenshot of the same web form as above. The layout is identical, but the validation errors are gone. The 'Name' field still has a red border and a tooltip, but the tooltip text is no longer visible. The 'E-mail' and 'Enquiry/Question' fields are now active and have a light blue background. The 'Submit' button is still present.

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Following on from the previous conclusion, I then decided to create a new file, attempting to keep the code as basic as possible, examining this in detail to understand how the problem could be resolved. Whilst doing this, I noticed that when I added the following, the error messages were now appearing as they should with the correct messages:

Using the Example Code to Examine the Problem and Discovering the 'name' Attribute

```
<div class="container">
  <form method="post" action="/register" name="register"> <!-- THIS WAS WHAT CAUSED THE VALIDATION TO WORK -->
  <div class="one-third column">
    <h2>Settings</h2>
    <div class="name">
      <label for="name" class="required">Name:</label>
      <input type="text" placeholder="Enter your name" name="name" id="name" required title="Please enter your name">
    </div>
    <div class="email">
      <label for="email" class="required">Email:</label>
      <input type="email" placeholder="you@example.com" name="email" id="email" required>
    </div>
    <div class="password">
      <label for="password" class="required">Password:</label>
      <input type="password" name="password" id="password" required>
    </div>
    <div class="password">
      <label for="conf-password" class="required">Confirm password:</label>
      <input type="password" name="conf-password" id="conf-password" required>
    </div>
  </div>
  <div class="one-third column">
    <h2>Profile</h2>
    <div class="birthday">
      <label for="birthday" class="required">Birthday:</label>
      <input type="date" name="birthday" id="birthday" placeholder="yyyy-mm-dd" required>
      <div id="consent-container" class="hide">
        <label for="parents-consent">You need a parent's permission to join.
          Tick here if your child can join:</label>
        <input type="checkbox" name="parents-consent" id="parents-consent">
      </div>
    </div>
    <div class="bio">
      <label for="bio">Short Bio (max 140 characters):</label>
      <textarea name="bio" id="bio" rows="5" cols="30"></textarea>
      <span id="bio-count" class="hide">140</span>
    </div>
    <div class="register"><input type="submit" value="Register"></div>
  </div>
</form>
</div>
```

The Messages now Appeared Correctly on the Web Page

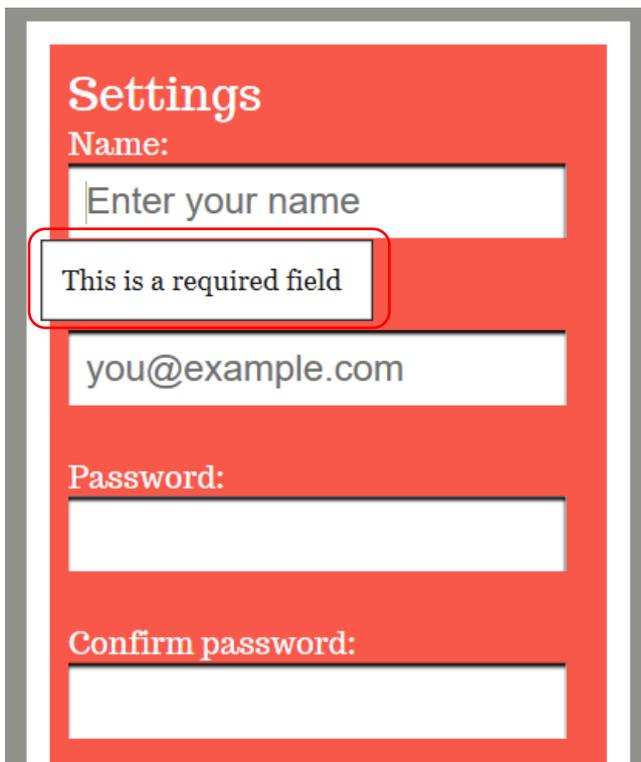
The screenshot displays two side-by-side form sections on a red background. The left section, titled 'Settings', contains four input fields: 'Name' (with placeholder 'Enter your name'), 'Email' (with placeholder 'you@example.com'), 'Password', and 'Confirm password'. Each of these fields has a red error message 'Field is required!!!' below it. The right section, titled 'Profile', contains a 'Birthday' field (with placeholder 'yyyy-mm-dd') and a 'Short Bio (max 140 characters)' field. The 'Birthday' field also has a red error message 'Field is required!!!'. At the bottom right of the 'Profile' section is a black 'Register' button.

To ensure that this was the aspect causing the validation to function correctly, I then removed the 'register' part from the aspect highlighted below and I then realised that this was what was causing the validation to work which meant the validation wasn't working on the code I was experimenting with as this had either a different name assigned to it or no name at all:

Removing the 'register' Section from the Code below in the JavaScript file

```
(function () {  
  document.forms.noValidate = true; // Disable HTML5 validation - using JavaScript instead  
  // -----  
  // A) ANONYMOUS FUNCTION TRIGGERED BY THE SUBMIT EVENT
```

The Outcome of this on the Web Page (The other form of Validation Returned)

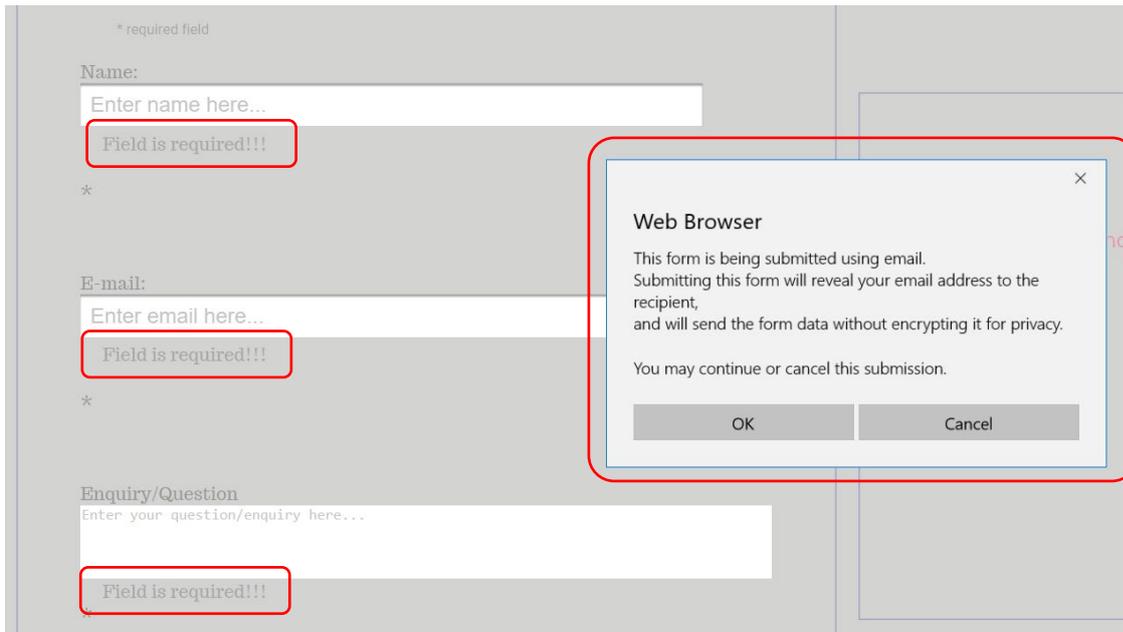


From this point, I then knew that I had to add a name to the form for this to work so therefore I did this whilst progressing further with the project, relating this to the website I was currently working on.

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At a later stage, I encountered a problem relating to the fact that the validation would work but the form would submit anyway which wasn't the required outcome:

The Form in the Process of Submitting even though the Validation would Appear



Consequently, after analysing the 'JavaScript' code, I removed the aspects I didn't require and this solved the problem as is evident below:

The Process of Removing the Unnecessary Code in the file

```
cfenc_contact_pg2.php x  cfenc_contact_pg3.php x  validation.js — cfenc_testing\web_pages\js x  validation.html
28     } else { // Otherwise
29         removeErrorMessage(elements[i]); // Remove error messages
30     } // End if statement
31     valid[elements[i].id] = isValid; // Add element to the valid object
32 } // End for loop
33
34 ***** PERFORM CUSTOM VALIDATION *****
35 ***** bio (you could cache bio input in variable here) *****
36 if (!validateBio()) { ***** Call validateBio(), and if not valid *****
37     showErrorMessage(document.getElementById('bio')); // Show error message
38     valid.bio = false; ***** Update valid object - this element is not valid *****
39 } else { ***** Otherwise remove error message *****
40     removeErrorMessage(document.getElementById('bio'));
41 }
42
43 ***** password (you could cache password input in variable here) *****
44 if (!validatePassword()) { ***** Call validatePassword(), and if not valid *****
45     showErrorMessage(document.getElementById('password')); // Show error message
46     valid.password = false; ***** Update the valid object - this element is not valid *****
47 } else { ***** Otherwise remove error message *****
48     removeErrorMessage(document.getElementById('password'));
49 }
50
51 ***** parental consent (you could cache parent-consent in variable here) *****
52 if (!validateParentsConsent()) { ***** Call validateParentalConsent(), and if not valid *****
53     showErrorMessage(document.getElementById('parents-consent')); // Show error message
54     valid.parentsConsent = false; ***** Update the valid object - this is not valid *****
55 } else { ***** Otherwise remove error message *****
56     removeErrorMessage(document.getElementById('parents-consent'));
57 }
58
```

The Outcome of this on the Web Page (This was now Working Successfully)

A screenshot of a web form with three input fields: 'Name', 'E-mail', and 'Enquiry/Question'. Each field has a placeholder text 'Enter ... here...'. Below each field is a red error message 'Field is required!!!'. There are asterisks next to the 'Name' and 'E-mail' labels, and a '* required field' note at the top. A 'Submit' button is located at the bottom right.

At this stage, I then decided to improve the appearance of the form to suit the theme regarding the other aspects of the website and the final appearance with code will be able to be viewed at the end of this section of the document. After enhancing the form's appearance, I then experienced the same issue as before with the form submitting but still applying validation:

Experiencing the Same Issue as before with Regards to the Form Submission and Validation

A screenshot of a web form with three input fields: 'Name' (containing 'Test Testing'), 'E-mail' (containing 'test@testing.com'), and 'Enquiry/Question'. The 'Name' and 'E-mail' fields have asterisks next to them. Below the 'Enquiry/Question' field is a red error message 'Field is required!!! *'. There are 'Send' and 'Reset' buttons at the bottom. A modal dialog box titled 'Web Browser' is open, containing the text: 'This form is being submitted using email. Submitting this form will reveal your email address to the recipient, and will send the form data without encrypting it for privacy. You may continue or cancel this submission.' with 'OK' and 'Cancel' buttons.

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

Within the 'JavaScript' code, I had then noticed that there was a section which related to checking elements by their 'ID' names which then allowed me to understand that I had not assigned an 'ID' to the comments section on the form:

Identifying the Aspect in the JavaScript Code relating to Checking Elements with an 'ID'

```
9
10 (function () {
11     document.forms.send.noValidate = true; // Disable HTML5 validation - using JavaScript instead
12     // -----
13     // A) ANONYMOUS FUNCTION TRIGGERED BY THE SUBMIT EVENT
14     // -----
15     $('form').on('submit', function (e) { // When form is submitted
16         var elements = this.elements; // Collection of form controls
17         var valid = {}; // Custom valid object
18         var isValid; // isValid: checks form controls
19         var isFormValid; // isFormValid: checks entire form
20
21         // PERFORM GENERIC CHECKS (calls functions outside the event handler)
22         var i;
23         for (i = 0, l = elements.length; i < l; i++) {
24             // Next line calls validateRequired() validateTypes()
25             isValid = validateRequired(elements[i]) && validateTypes(elements[i]);
26             if (!isValid) { // If it does not pass these two tests
27                 showErrorMessages(elements[i]); // Show error messages
28             } else { // Otherwise
29                 removeErrorMessage(elements[i]); // Remove error messages
30             } // End if statement
31             valid[elements[i].id] = isValid; // Add element to the valid object
32         } // End for loop
33     });
34 }
```

Noticing that I had not Applied an 'ID' to the Comments Section in the HTML Code

```
class="container">
<p><span class="error">* required field</span></p>
<form method="post" action="mailto:enquiries@danielhwilkins.co.uk" name="send">
  <fieldset>
    <div class="form_centre"> <!--Realised Proper Error Message wasn't Displaying so added in the classes for name and email but didn't work-->
    <label for="name" class="required contact_label">Name:</label>
    <input type="text" name="name" id="name" required title="Please enter your name" placeholder="Enter name here...">
    <span>*</span>
    </div>
    <div class="form_centre">
    <br><br>
    <label for="email" class="required contact_label">E-mail:</label><!--Wasn't working originally due to the fact I hadn't added in all code-->
    <input type="email" name="email" id="email" required placeholder="Enter email here..." title="Please enter your email address">
    <span>*</span>
    </div>
    <br><br>
    <label for="enquiry" class="required contact_label">Enquiry/Question</label>
    <textarea title="Please enter your question" placeholder="Enter your question/enquiry here..." name="enquiry" rows="10" cols="10" required class="re
    <span>*</span>
    <br>
    <div class="form_buttons_container">
    <input type="submit" value="Send" class="submit_button"> <!--w3schools--> <!--https://www.w3schools.com/html/tryit.asp?filename=tryhtml_
    <input type="reset" value="Reset" class="reset_button">
    </div>
    </fieldset>
  </form>
</div>
```

Therefore, I added an 'ID' to the comments section and this resolved the issue:

Adding the 'ID' to the Comments Section within the HTML Code

```
<label for="enquiry" class="required contact_label">Enquiry/Question</label>
<textarea title="Please enter your question" placeholder="Enter your question/enquiry here..." name="enquiry" id="enquiry" rows="10" cols="10"
<span>*</span>
<br>
  <div class="form_buttons_container">
  <input type="submit" value="Send" class="submit_button"> <!--w3schools--> <!--https://www.w3schools.com/html/tryit.asp?filename=tryhtml_
  <input type="reset" value="Reset" class="reset_button">
  </div>
</fieldset>
</form>
</div>
```

The Outcome of this on the Web Page (This now Solved the Issue)

* required field

Name: *

E-mail: *

Enquiry/Question

Field is required!!! *

The Final Outcomes of the Contact Page (Desktop and Mobile)

After refinements had been made to the contact page at a later stage, I had then managed to create the final outcomes on desktop and mobile devices. This can be viewed below. Please note that at a further later stage, the outcome of this may have changed due to several reasons including testing and further refinements:

The HTML file (This was later Changed to a 'PHP')

```
<!DOCTYPE html> <!-- ALL CODE TIDIED AS WELL AS RELATING CSS CODE 08/11/18 -->
<html lang="en">
<head>
  <title>CFENC | Contact Us</title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0"> <!-- https://www.w3schools.com/css/css_rwd_viewport.asp - DONE -->
  <link rel="stylesheet" href="../styles/stylesheet.css"> <!-- REASON WHY THE STYLES WEREN'T APPLYING IN THE FIRST PLACE -->
  <link href="https://fonts.googleapis.com/css?family=Poppins|Roboto" rel="stylesheet"> <!-- APPLYING THE SELECTED GOOGLE FONTS -->
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="icon" href="http://www.danielwilkins.co.uk/favicon.jpg" type="image/jpg" sizes="32x32"> <!-- https://www.w3schools.com/tags/att_link_sizes.asp - REFERENCE DONE -->
</head>
<body>

<!-- BANNER SECTION START -->

<div class="banner_container">
  <div class="banner_flex1">
    
  </div>
  <div class="banner_flex2">
    <h1>The Charitable Foundation for the Education of Nepalese Children</h1>
  </div>
  <div class="banner_flex3">
    <div class="search_container">
      <form action="">
        <input type="text" placeholder="Search..." name="search">
        <button type="submit"><i class="fa fa-search" style="font-size:20px!important;"></i></button>
      </form>
      <br>
      <a href="https://uk.virginmoneygiving.com/charity-web/charity/finalCharityHomepage.action?charityId=1001596" target="_blank" style="text-decoration:none;"><button class="donate_buttons">DONATE</button></a>
    </div>
  </div>
</div>

<!-- BANNER SECTION END -->

<!-- NAVIGATION BAR SECTION START -->

<div class="navigation_container" id="sticky_navigation_container">
  <ul class="navigation_bar" id="navigation_ul">
     <!-- https://www.w3schools.com/questions/2835140/how-do-i-link-to-part-of-a-page-hash REFERENCE DONE -->
    <p id="navigation_text">CFENC</p>
    <li><a href="../index.html">Home</a></li>
    <li><a href="cfenc_history_pg.html">History</a></li>
    <li><a href="cfenc_about_pg.html">About Us</a></li>
    <li><a href="cfenc_projects_pg.html">Projects</a></li>
    <li><a href="cfenc_donations_pg.html">Donations</a></li>
    <li><a href="cfenc_sponsor_pg.html">Sponsor a Child</a></li>
    <li><a href="cfenc_partners_pg.html">Our Partners</a></li>
    <li><a href="cfenc_shop_pg.html">Shop</a></li>
    <li><a href="cfenc_gallery_pg.html">Gallery</a></li>
    <li><a href="cfenc_events_pg.html">Events</a></li>
    <li style="border-bottom:2px solid #C7063B;"><a href="cfenc_contact_pg.html">Contact</a></li>
    <div class="hamburger_menu" onclick="hamburgerFunction(this)"> <!-- https://www.w3schools.com/ -->
      <div class="bar1"></div>
      <div class="bar2"></div>
      <div class="bar3"></div>
    </div>
  </ul>

  <script>
  function hamburgerFunction(x) { //https://www.w3schools.com/howto/howto_js_topnav_responsive.a
    x.classList.toggle("change"); //https://www.w3schools.com/howto/howto_css_menu_icon.asp -
    var x = document.getElementById("responsive_nav_box");
    if (x.style.display === "block") {
      x.style.display = "none";
      x.style.opacity = "0";
      x.style.transition = "0.5s";
    } else {
      x.style.display = "block";
      x.style.opacity = "1";
      x.style.transition = "0.5s";
    }
  }
  </script>
</div>
```

```

<div id="responsive_nav_box">
  <li><a href="../index.html">Home</a></li>
  <li><a href="cfenc_history_pg.html">History</a></li>
  <li><a href="cfenc_about_pg.html">About Us</a></li>
  <li><a href="cfenc_projects_pg.html">Projects</a></li>
  <li><a href="cfenc_donations_pg.html">Donations</a></li>
  <li><a href="cfenc_sponsor_pg.html">Sponsor a Child</a></li>
  <li><a href="cfenc_partners_pg.html">Our Partners</a></li>
  <li><a href="cfenc_shop_pg.html">Shop</a></li>
  <li><a href="cfenc_gallery_pg.html">Gallery</a></li>
  <li><a href="cfenc_events_pg.html">Events</a></li>
  <li style="border-bottom:2px solid #C7063B;"><a href="cfenc_contact_pg.html">Contact</a></li>
</ul>
</div>
<!-- NAVIGATION BAR SECTION END -->
<!-- PAGE HEADER IMAGE START -->
<div class="sticky_content">
  <div class="headline_image_container">
    <div class="headline1_flex1">
      
    </div>
  </div>
<!-- PAGE HEADER IMAGE END -->
<!-- INTRODUCTION SECTION START -->
<div class="contact_introduction_container">
  <div class="contact_title_container">
    <div class="ci_flex1">
      <h2>Contact Us</h2>
      <hr>
    </div>
  </div>
</div>
<!-- INTRODUCTION SECTION END -->
<!-- CONTACT MAIN SECTION START -->
<!-- Introductory Message Section Start -->
<div class="contact_container2">
  <div class="sub_contact_container21">
    <i class="fa fa-child" style="font-size:200px!important;"></i>
  </div>
  <div class="sub_contact_container22">
    <h2>We'd love to hear from you</h2>
  </div>
  <div class="sub_contact_container23">
    <p>If you would like to donate in the meantime, please select the button below.</p>
  </div>
  <div class="sub_contact_container24">
    <a href="https://uk.virginmoneygiving.com/charity-web/charity/finalCharityHomepage.action?charityId=1001596" target="_blank" style="text-decoration:none;"><button class="
    donate_button">DONATE</button></a>
  </div>
</div>
<!-- Introductory Message Section End -->
<!-- Contact Grid Section Start -->
  <!-- The First two Boxes Section Start (Contain Image and Contact Details) -->
  <div class="contact_container">
    <div class="sub_contact_container1">
      <div class="contact_flex1">
        
      </div>
      <div class="contact_flex2">
        <div class="sub1_cflex2">
          <div class="phone1">
            <i class="fa fa-phone" style="font-size:40px!important;"></i> <!-- TALK ABOUT THIS NOT WORKING -->
          </div>
          <div class="phone2">
            <h3 style="text-align:center;color:#C7063B;">01234 567890</h3>
          </div>
        </div>
        <div class="sub2_cflex2">
          <div class="email1">
            <i class="fa fa-envelope"></i>
          </div>
          <div class="email2">
            <h3 style="text-align:center;color:#C7063B;">cfenc@btinternet.com</h3>
          </div>
        </div>
        <div class="sub3_cflex2">
          <div class="address1">
            <i class="fa fa-map-marker"></i>
          </div>
          <div class="address2">
            <h3 style="text-align:center;color:#C7063B;">Watergate Cottage<br>10 Watergate<br>Colerne<br>Wilts SN14 8DP</h3>
          </div>
        </div>
      </div>
    </div>
  </div>
  <!-- The First two Boxes Section End (Contain Image and Contact Details) -->
  <!-- The Last two Boxes Section Start (Contain Contact Form and Social Media Links) -->

```

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

```
<div class="sub_contact_container2">
  <div class="contact_flex3">
    <div class="container">
      <?php
        $nameErr = $emailErr = $enquiryErr = "";
        $name = $email = $enquiry = "";

        if (isset($_REQUEST['email'])) {
          $admin_email = "enquiries@danielwilkins.co.uk";
          $name = $_REQUEST['name']; //add slashes
          $email = $_REQUEST['email']; //add slashes
          $enquiry = $_REQUEST['enquiry']; //add slashes - each of fields here

          mail($admin_email, "$name", $enquiry, "From: " . $email);

          echo "<p style='font-family:'Roboto', sans-serif;'>Thank you for contacting us!</p><a class='fa fa-thumbs-o-up'></a>";
        }
      <?>
      <p class="cf_message"><span class="required_field_span"><i><u>Fields marked with * are required</i></u></span></p>
      <form method="post" name="send">
        <fieldset>
          <div class="form_centre">
            <label for="name" class="required_contact_label">*Name</label>
            <input type="text" name="name" id="name" class="input_fields" required title="Please enter your name" placeholder="Enter name here...">
          </div>
          <div class="form_centre">
            <br><br>
            <label for="email" class="required_contact_label">*E-mail:</label><!--Wasn't working originally due to the fact I hadn't added in all code-->
            <input type="email" name="email" id="email" class="input_fields" required placeholder="Enter email here..." title="Please enter your email address">
          </div>
          <div class="form_centre">
            <br><br>
            <label for="enquiry" class="required_contact_label">*Enquiry/Question</label>
            <br><br>
            <textarea title="Please enter your question" placeholder="Enter your question/enquiry here..." name="enquiry" id="enquiry" rows="10" cols="10" required
              class="required_txtarea_styles"></textarea>
            <br><br>
          </div>
          <div class="form_buttons_container">
            <input type="submit" value="Send" class="submit_button"> <!--w3schools--> <!--https://www.w3schools.com/html/tryit.asp?filename=tryhtml_form_mail -
              REFERENCE DONE-->
            <input type="reset" value="Reset" class="reset_button">
          </div>
        </fieldset>
      </form>
    </div>
  </div>
</div>
<div class="contact_flex4">
  <div class="sub1_cflex2">
    <div class="phone1">
      <i class="fa fa-facebook" style="font-size:40px!important;"></i> <!--TALK ABOUT THIS NOT WORKING-->
    </div>
    <div class="phone2">
      <a href="https://www.facebook.com/Charitable-Foundation-For-the-Education-of-Nepalese-Children-202319123133798/" target="_blank" style="text-decoration:none;"><h3
        style="text-align:center;color:#C7063B;">Charitable Foundation For the Education of Nepalese Children</h3></a>
    </div>
  </div>
  <div class="sub2_cflex2">
    <div class="email1">
      <i class="fa fa-twitter"></i>
    </div>
    <div class="email2">
      <a href="https://twitter.com/CFENC1" target="_blank" style="text-decoration:none;"><h3 style="text-align:center;color:#C7063B;">@CFENC1</h3></a>
    </div>
  </div>
  <div class="sub3_cflex2">
    <div class="address1">
      <i class="fa fa-youtube"></i>
    </div>
    <div class="address2">
      <a href="https://www.youtube.com/channel/UCQG0FNqubBbUQAjKFcZ71Aw" target="_blank" style="text-decoration:none;"><h3 style="text-align:center;color:#C7063B;">
        CFENC UK Charity</h3></a>
    </div>
  </div>
</div>
</div>
<!-- The Last two Boxes Section End (Contain Contact Form and Social Media Links) -->
</div>
<!-- Contact Grid Section End -->
<!-- CONTACT MAIN SECTION END -->
```

```
<!-- FOOTER SECTION START -->
<div class="footer_container" style="background-color:#000000;">
  <div class="footer_flex1">
    <div class="ff1_sub1">
      
    </div>
    <div class="ff1_sub2">
      <p>&copy; CFENC 2018</p>
    </div>
  </div>
  <div class="footer_flex2">
    <hr class="responsive_footer_hr">
    <div class="ff2_heading">
      <h2>Social Media and Policies</h2>
    </div>
    <div class="sub_fflex1">
      <a href="https://www.facebook.com/Charitable-Foundation-for-the-Education-of-Nepalese-Children-202319123133798/" target="blank" class="fa fa-facebook fsm_links" style="text-align:center;color:white!important;font-size:25px!important;padding:10px!important;text-decoration:none!important;"></a>
      <a href="https://twitter.com/CFENC1" target="blank" class="fa fa-twitter fsm_links" style="text-align:center;color:white!important;font-size:25px!important;padding:10px!important;text-decoration:none!important;"></a>
      <a href="https://www.youtube.com/channel/UCQG0FNquhBBUQajKfcz71Aw" target="blank" class="fa fa-youtube fsm_links" style="text-align:center;color:white!important;font-size:25px!important;padding:10px!important;text-decoration:none!important;"></a> <!-- Added links in for social media channels -->
    </div>
    <div class="sub_fflex2">
      <a href="#" style="padding:10px;color:#C70638;">Privacy Policy</a>
      <a href="#" style="padding:10px;color:#C70638;">Terms & Conditions</a>
    </div>
  </div>
  <div class="footer_flex3">
    <hr class="responsive_footer_hr">
    <div class="ff3_heading">
      <h2>Address</h2>
    </div>
    <div class="sub_fflex3">
      <p>Watergate Cottage<br>
      10 Watergate<br>
      Colerneor<br>
      Milts SN14 8DP</p>
    </div>
  </div>
  <div class="footer_flex4">
    <hr class="responsive_footer_hr">
    <div class="ff4_heading">
      <h2>Contact Details</h2>
    </div>
    <div class="ff4_sub1">
      <p>Email | cfenc@btinternet.com</p>
      <p>Telephone | 01234 567890</p>
      <p>Registered UK Charity Number | 0123456789</p>
    </div>
  </div>
</div>
<!-- FOOTER SECTION END -->
</div>
<!-- STICKY NAVIGATION FUNCTION START -->
<script>
window.onscroll = function() {stickyNavFunction()};
var navigationbar = document.getElementById("sticky_navigation_container");
var stickynavigation = navigationbar.offsetTop;

function stickyNavFunction() {
  if (window.pageYOffset >= stickynavigation) {
    navigationbar.classList.add("sticky_navigation")
  } else {
    navigationbar.classList.remove("sticky_navigation");
  }
}
</script>
<!-- STICKY NAVIGATION FUNCTION END -->
</body>
</html>
```

The CSS Code – Desktop

```

/* CONTACT PAGE - DESKTOP VERSION START */
/* Introduction Section Start */

.contact_introduction_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 10px;
}

.contact_title_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
}

.ci_flex1 {
  background: none;
  width: 100%;
  height: auto;
  padding: 10px;
}

/* Introduction Section End */
/* Main Content Section Start */

.cf_message {
  text-align: center;
}

.contact_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 0px;
}

.sub_contact_container1 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
  padding: 0px;
}

.contact_flex1 {
  width: 50%;
  height: 550px;
  margin: 10px;
  border: 1px solid #00006A;
}

.contact_flex2 {
  background: none;
  width: 50%;
  height: 550px;
  padding: 50px;
  margin: 10px;
  border: 1px solid #00006A;
  display: flex;
  flex-direction: column;
}

.sub1_cflex2 {
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  padding: 10px;
}

.phone1 {
  padding: 0px;
}

.phone2 {
  padding: 0px;
}

.sub2_cflex2 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  padding: 10px;
}

.email1 {
  padding: 0px;
}

.email2 {
  padding: 0px;
}

.sub3_cflex2 {
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  padding: 10px;
}

.address1 {
  padding: 0px;
  background: none;
}

.address2 {
  padding: 0px;
}

.sub_contact_container2 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
  padding: 0px;
}

```

```

.contact_flex3 {
  background: none;
  width: 50%;
  height: 550px;
  padding: 57px;
  margin: 10px;
  border: 1px solid #00006A;
}

.contact_flex4 {
  background: none;
  width: 50%;
  height: 550px;
  padding: 80px;
  margin: 10px;
  border: 1px solid #00006A;
}

.cflex1_image {
  width: 100%;
  height: 548px;
  object-fit: cover;
}

.contact_label {
  font-family: 'Roboto', sans-serif;
}

.txtarea_styles {
  font-family: 'Roboto', sans-serif;
  width: 100%;
  height: auto;
  border: 1px solid #00006A;
  padding: 5px;
}

.input_fields {
  border: 1px solid #00006A;
  padding: 5px;
}

.submit_button {
  display: inline-block;
  width: 49%;
  height: auto;
  margin: auto;
  background-color: #00006A;
  color: white;
  font-weight: bold;
  font-family: 'Roboto', sans-serif;
  border: none;
  transition: 0.2s;
  cursor: pointer;
  padding: 10px;
}

.submit_button:hover {
  background-color: #C7063B;
  transition: 0.2s;
}

.reset_button {
  display: inline-block;
  width: 49%;
  height: auto;
  margin: auto;
  background-color: #C7063B;
  color: white;
  font-weight: bold;
  font-family: 'Roboto', sans-serif;
  border: none;
  transition: 0.2s;
  cursor: pointer;
  padding: 10px;
}

.reset_button:hover {
  background-color: #00006A;
  transition: 0.2s;
}

fieldset {
  width: 100%;
  height: auto;
  border: none;
}

.contact_container2 {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 50px;
  background: #e6e6e6;
}

.sub_contact_container21 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

.sub_contact_container22 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

.sub_contact_container23 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

.sub_contact_container24 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

```

```
.cdonate_button {
  border: none;
  background-color: red;
  border-radius: 5px;
  color: white;
  font-family: 'Roboto', sans-serif;
  font-weight: bold;
  cursor: pointer;
  padding: 10px;
  letter-spacing: 4px;
}

/* Main Content Section End */

/* CONTACT PAGE - DESKTOP VERSION END */
```

The CSS Code – Mobile

```
/* CONTACT PAGE START */

/* Main Content Section Start */

.sub_contact_container1 {
  flex-direction: column;
  padding: 10px;
}

.contact_flex1 {
  width: 100%;
  height: auto;
}

.contact_flex2 {
  width: 100%;
  height: auto;
  padding: 10px;
}

.sub1_cflex2 {
  margin-top: 15px; /* Added this in to ensure for equal space in contact details section 27/11/18 */
}

.sub_contact_container2 {
  flex-direction: column;
  padding: 10px;
  margin-top: -10px; /* Added this in to remove space between containers on mobile version 27/11/18 */
}

.contact_flex3 {
  width: 100%;
  height: auto;
  padding: 10px;
  margin: 0px;
}

.contact_flex4 {
  width: 100%;
  height: auto;
  padding: 10px;
  margin: 10px 0px 0px 0px;
  margin-top: 20px; /* Added this in to add more space between containers on mobile version 27/11/18 */
  margin-bottom: 10px; /* Added this in to add more space between container and footer section on mobile version 27/11/18 */
}

.cflex1_image {
  width: 100%;
  height: fill;
}

.contact_label {
  display: block;
  width: 100%;
  height: auto;
  text-align: center;
}

.input_fields {
  width: 100%;
  margin-top: 10px;
}

.contact_container2 {
  text-align: center;
}

/* Main Content Section End */

/* CONTACT PAGE END */
```

Linking to the jQuery/JavaScript files and the JavaScript Code for the Validation

```
<script src="../../js/contact_form.js"></script>
```

```
<script src="../../js/jquery-1.9.1.js"></script>  
<script src="../../js/jquery-ui-1.10.3.custom.js"></script>  
<script src="../../js/jquery-ui-1.10.3.custom.min.js"></script>  
<script src="../../js/validation.js"></script>
```

```
// SOURCE - JON DUCKETT -> JAVASCRIPT & JQUERY interactive front-end web development  
  
(function () {  
  document.forms.send.noValidate = true;  
  $('form').on('submit', function (e) {  
    var elements = this.elements;  
    var valid = {};  
    var isValid;  
    var isFormValid;  
  
    var i;  
    for (i = 0, l = elements.length; i < l; i++) {  
      isValid = validateRequired(elements[i]) && validateTypes(elements[i]);  
      if (!isValid) {  
        showErrorMessage(elements[i]);  
      } else {  
        removeErrorMessage(elements[i]);  
      }  
      valid[elements[i].id] = isValid;  
    }  
  
    for (var field in valid) {  
      if (!valid[field]) {  
        isFormValid = false;  
        break;  
      }  
    }  
    isFormValid = true;  
  }  
  
  if (!isFormValid) {  
    e.preventDefault();  
  }  
  
});
```

Obtains aspects to be checked through the 'ID' of each

```
function validateRequired(el) {  
  if (isRequired(el)) {  
    var valid = isEmpty(el);  
    if (!valid) {  
      setErrorMessage(el, 'Field is required');  
    }  
    return valid;  
  }  
  return true;  
}
```

Displays error message if the fields haven't been completed

```
function isRequired(el) {  
  return ((typeof el.required === 'boolean') && el.required) ||  
    (typeof el.required === 'string');  
}  
  
function isEmpty(el) {  
  return !el.value || el.value === el.placeholder;  
}  
  
function validateTypes(el) {  
  if (!el.value) return true;  
  
  var type = $(el).data('type') || el.getAttribute('type');  
  if (typeof validateType[type] === 'function') {  
    return validateType[type](el);  
  } else {  
    return true;  
  }  
}
```

```
function setErrorMessage(el, message) {  
  $(el).data('errorMessage', message);  
}
```

```
function getErrorMessage(el) {  
  return $(el).data('errorMessage') || el.title;  
}
```

```
function showErrorMessage(el) {  
  var $el = $(el);  
  var errorContainer = $el.siblings('.error.message');  
  
  if (!errorContainer.length) {  
    errorContainer = $('<span class="error message"></span>').insertAfter($el);  
  }  
  errorContainer.text(getErrorMessage(el));  
}
```

This aspect styles the error message through assigning 'classes' which can then be styled within the assigned stylesheet

```
function removeErrorMessage(el) {  
  var errorContainer = $(el).siblings('.error.message');  
  errorContainer.remove();  
}
```

```
var validateType = {  
  email: function (el) {  
    var valid = /^[^@]+@[^@]+/.test(el.value);  
    if (!valid) {  
      setErrorMessage(el, 'Please enter a valid email');  
    }  
    return valid;  
  },  
};
```

Checks to understand if the '@' symbol has been included in the provided email address and if it hasn't, an error message is displayed

```
})();
```

The Final Outcome – Desktop



The Charitable Foundation for the Education of Nepalese Children

Search...

Home History About Us Projects Donations Sponsor a Child Our Partners Shop Gallery Events Contact



Contact Us



We'd love to hear from you

If you would like to donate in the meantime, please select the button below.



School in 2013

01234 567890

cfenc@btinternet.com

Watergate Cottage
10 Watergate
Coleme
Wilts SN14 8DP

Thank you for contacting us!

| else { ?>

*Fields marked with * are required*

*Name

*E-mail:

*Enquiry/Question

Charitable Foundation for the Education of Nepalese Children

@CFENCI

CFENC UK Charity



CFENC 2018

[Privacy Policy](#)
[Terms & Conditions](#)

Social Media and Policies

Address
Watergate Cottage
10 Watergate
Coleme
Wilts SN14 8DP

Contact Details
Email | cfenc@btinternet.com
Telephone | 01234 567890
Registered UK Charity Number | 0123456789

The Final Outcome – Mobile

CFENC
The Charitable Foundation for the Education of Nepalese Children

Search...

DONATE

CFENC

Contact Us

We'd love to hear from you

If you would like to donate in the meantime, please select the button below.

DONATE

chool in 2013

01234 567890

cfenc@btinternet.com

Watergate Cottage
10 Watergate
Colerne
Wilts SN14 8DP

Thank you for contacting us!

Fields marked with * are required

*Name
Enter name here...

*E-mail:
Enter email here...

*Enquiry/Question
Enter your question/enquiry here...

Send Reset

f
Charitable Foundation for the Education of Nepalese Children

@CFENC1

You Tube
CFENC UK Charity

CFENC 2018

Social Media and Policies

f t y
Privacy Policy
Terms & Conditions

Address
Watergate Cottage
10 Watergate
Colerne
Wilts SN14 8DP

Contact Details
Email | cfenc@btinternet.com
Telephone | 01234 567890
Registered UK Charity Number | 0123456789

Building the Sponsor a Child Page

Examples of Processes and Challenges During this Stage

As is apparent with some of the other pages, I applied the same structures with regards to the banner, navigation bar and introduction sections of the page and the 'HTML' and 'CSS' code can be viewed for this below:

The Banner Section of the Page – HTML Code

```
<div class="banner_container">
  <div class="banner_flex1">
    
  </div>
  <div class="banner_flex2">
    <h1>The Charitable Foundation for the Education of Nepalese Children</h1>
  </div>
  <div class="banner_flex3">
    <div class="search-container">
      <form action="/action_page.php">
        <input type="text" placeholder="Search..." name="search">
        <button type="submit"><i class="fa fa-search" style="font-size:20px!important;"></i></button>
      </form>
      <br>
      <button class="donate_buttons">DONATE</button>
    </div>
  </div>
</div>
```

The Banner Section of the Page – CSS Code

```
/* BANNER SECTION */
.banner_container {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
  padding: 10px;
}

.banner_flex1 {
  background: none;
  width: 10%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.banner_flex2 {
  background: none;
  width: 75%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.banner_flex3 {
  background: none;
  width: 15%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.logo_image {
  width: 100%;
  height: auto;
  display: block;
}

.search-container {
  float: right;
}

.donate_buttons {
  border: none;
  background-color: red;
  width: 100px;
  height: 30px;
  border-radius: 5px;
  color: white;
  font-family: 'Roboto', sans-serif;
  font-weight: bold;
  cursor: pointer;
  letter-spacing: 3px;
}

.search-container input {
  font-family: 'Poppins', sans-serif;
  width: 120px;
}
```

The Banner Section of the Page – The Outcome



The Navigation Bar Section – HTML Code

```
<div class="navigation_container">
  <ul class="navigation_bar">
    <li><a href="./index.html">Home</a></li>
    <li><a href="cfenc_history_pg.html">History</a></li>
    <li><a href="cfenc_about_pg.html">About Us</a></li>
    <li><a href="cfenc_projects_pg.html">Projects</a></li>
    <li><a href="cfenc_donations_pg.html">Donations</a></li>
    <li style="border-bottom:2px solid #C7063B;"><a href="cfenc_sponsor_pg.html">Sponsor a Child</a></li>
    <li><a href="cfenc_partners_pg.html">Our Partners</a></li>
    <li><a href="#">Shop</a></li>
    <li><a href="cfenc_gallery_pg.html">Gallery</a></li>
    <li><a href="cfenc_events_pg.html">Events</a></li>
    <li><a href="cfenc_contact_pg.html">Contact</a></li>
  </ul>
</div>
```

The Navigation Bar Section – CSS Code

```
/* NAVIGATION BAR */
.navigation_container {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height:auto;
  padding: 0px; /*REMOVED THIS AS THE BAR SEEMED TO THICK*/
  background-color: #C7C7C7;
}

.navigation_bar {
  list-style: none;
  padding-top: 0px;
  display: flex;
  flex-direction: row;
}

.navigation_bar li {
  padding: 10px;
  background-color: none;
}

.navigation_bar li a {
  text-decoration: none;
  color: #00006A;
  transition: 0.3s;
}

.navigation_bar li a:hover {
  color: #C7063B;
  transition: 0.3s;
}
```

The Navigation Bar Section – The Outcome



The Introduction Section – HTML Code

```
<div class="headline_image_container">
  <div class="headline_flex1">
    
  </div>
</div>

<div class="home_introduction_container">
  <div class="hi_title_container">
    <div class="hi_flex1">
      <h2>Sponsor a Child</h2>
      <hr>
    </div>
  </div>
  <div class="hi_content_container">
    <div class="hi_flex2">
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla. Phasellus scelerisque consectetur odio eget placerat. Interdum et malesuada fames ac ante ipsum primis in faucibus. Donec ultrices urna elit, a fermentum ligula maximus et. Cras malesuada varius pulvinar. Duis vel dolor quis est facilisis convallis. Pellentesque viverra quam non ligula volutpat cursus. Mauris quis justo vitae erat congue venenatis.</p>
      <p>Aliquam porttitor efficitur tristique. Nullam ut facilisis justo. Phasellus sit amet dictum risus. Vestibulum mattis lacus in magna euismod vulputate. Morbi rutrum, nibh a aliquam varius, turpis mauris tincidunt est, nec vestibulum libero mi sit amet ligula. Curabitur rutrum risus in metus imperdiet, vel maximus ligula condimentum</p>
    </div>
    <div class="hi_flex3">
      
    </div>
  </div>
</div>
```

The Introduction Section – CSS Code

```
.home_introduction_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 10px;
}

.hi_title_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
}

.hi_flex1 {
  background: none;
  width: 100%;
  height: auto;
  padding: 10px;
}

.hi_content_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
}

.hi_flex2 {
  background: none;
  width: 75%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.hi_flex3 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.headline_image_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  background-color: rgba(0, 0, 106, 0.3);
}

.headline_flex1 {
  width: 100%;
  height: auto;
}
```

The Introduction Section – The Outcome



Sponsor a Child

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla. Phasellus scelerisque consectetur odio eget placerat. Interdum et malesuada fames ac ante ipsum primis in faucibus. Donec ultrices urna elit, a fermentum ligula maximus et. Cras malesuada varius pulvinar. Duis vel dolor quis est facilisis convallis. Pellentesque viverra quam non ligula volutpat cursus. Mauris quis justo vitae erat congue venenatis.

Aliquam porttitor efficitur tristique. Nullam ut facilisis justo. Phasellus sit amet dictum risus. Vestibulum mattis lacus in magna euismod vulputate. Morbi rutrum, nibh a aliquam varius, turpis mauris tincidunt est, nec vestibulum libero mi sit amet ligula. Curabitur rutrum risus in metus imperdiet, vel maximus ligula condimentum

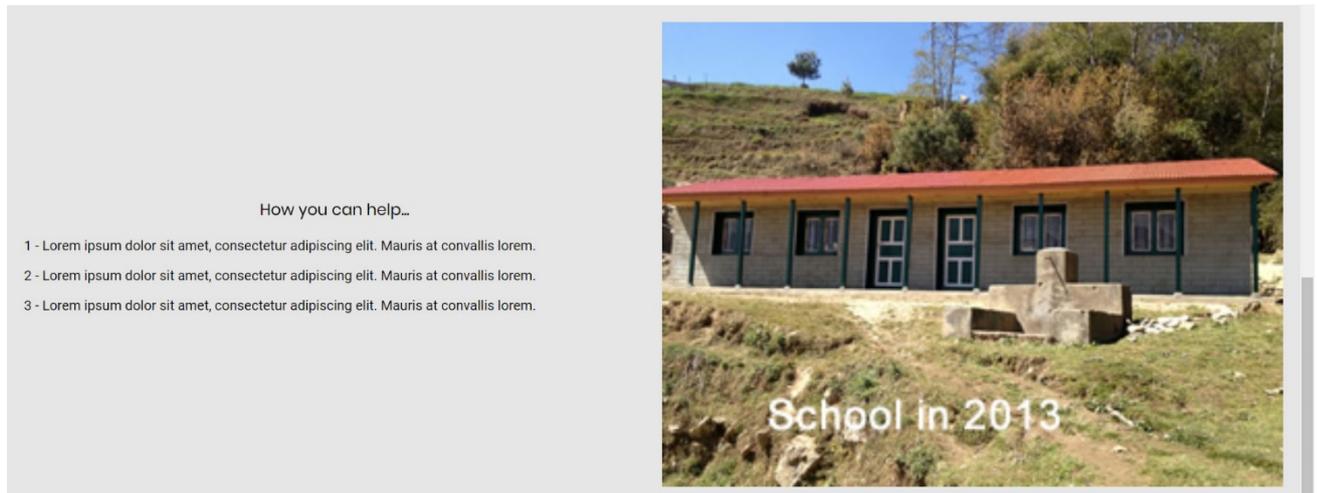


After the previous process, I first of all added code for the instructions section of the page in a simple way to understand how to structure this section in the way that this was required:

Keeping the Complexity of this Part to a low Level in the HTML Code

```
<div class="sponsor_help_container">
  <div class="sh_flex1">
    <h3 style="text-align:center;">How you can help...</h3>
    <p>1 - Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    <p>2 - Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    <p>3 - Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
  </div>
  <div class="sh_flex2">
    
  </div>
</div>
```

The Outcome of this on the Web Page at the Current time



After attempting to keep the initial stages as simple as possible, I then wanted to add the red circles around each of the numbers as required and I believed I could approach this through the use of a border that could have 'border-radius' applied to make the edges curved so that this would create the appearance of a circle:

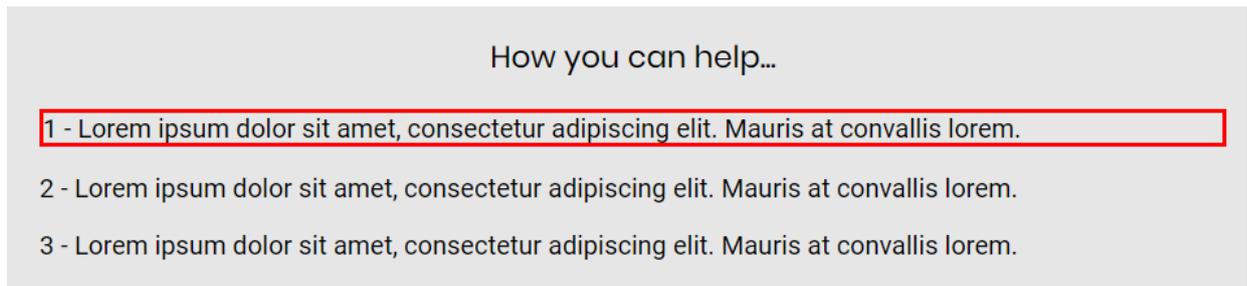
Testing to Understand if the Approach Explained above would be Successful – Applying this to one of the Aspects of the Instructions in the HTML Code

```
<div class="sponsor_help_container">
  <div class="sh_flex1">
    <h3 style="text-align:center;">How you can help...</h3>
    <p style="border: 2px solid red;">1 - Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    <p>2 - Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    <p>3 - Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
  </div>
  <div class="sh_flex2">
    
  </div>
</div>

<div class="row" style="background-color:#000000;">
  <div class="col-12">
    <p style="color:white;">Footer Details here</p>
  </div>
</div>

</body>
</html>
```

The Outcome of this on the Web Page (This Applied a Border to the Whole Paragraph tag)



Due to the fact that the border had applied to the whole paragraph tag, I therefore had to restructure the code, adding new containers and using 'Flexbox' to position the containers correctly. This can be viewed below. Please note that the screenshots displayed below were captured later on in the project and will represent some changes which hadn't been made at the current time:

The Structure in the HTML Code of the Different Containers now the Changes had been Applied (Example of Structuring Number and Description Sections Highlighted below)

```
<div class="sponsor_help_container">
  <div class="sh_flex1">
    <div class="sub_sh_flex1">
      <h3 style="text-align:center;color:#C7063B;">How you can help...</h3>
    </div>
    <div class="sub_sh_flex2">
      <div class="help_number1">
        <h3 style="border: 1.5px solid red;border-radius:50%;width:40px;height:40px;text-align:cente
        /h3>
      </div>
      <div class="help_description1">
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
      </div>
    </div>
    <div class="sub_sh_flex3">
      <div class="help_number2">
        <h3 style="border: 1.5px solid red;border-radius:50%;width:40px;height:40px;text-align:cente
        /h3>
      </div>
      <div class="help_description2">
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
      </div>
    </div>
    <div class="sub_sh_flex4">
      <div class="help_number3">
        <h3 style="border: 1.5px solid red;border-radius:50%;width:40px;height:40px;text-align:cente
        /h3>
      </div>
      <div class="help_description3">
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
      </div>
    </div>
  </div>
  <div class="sh_flex2">
    
  </div>
</div>
```

The CSS Code for the new Structure (Example of Styling the Number and Description Sections Highlighted below)

```
/* SPONSOR A CHILD PAGE */
.sponsor_help_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 10px;
  background-color:#e6e6e6;
}

.sh_flex1 {
  background: none;
  width: 50%;
  height: auto;
  padding: 50px;
  justify-content: center;
  align-items: center;
}

.sub_sh_flex1 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

.sub_sh_flex2 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%; /* APPLIED THE
  height: auto;
}

.help_number1 {
  padding: 10px;
}

.help_description1 {
  padding: 10px;
}

.help_number2 {
  padding: 10px;
}

.help_description2 {
  padding: 10px;
}

.help_number3 {
  padding: 10px;
}

.help_description3 {
  padding: 10px;
}

.sub_sh_flex3 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

.sub_sh_flex4 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

.sh_flex2 {
  background: none;
  width: 50%;
  height: auto;
  padding: 50px;
  align-content: center;
}
```

As will be evident above, the 'sponsor_help_container' related to the whole section on the page with the 'sh_flex1' relating to the container that contained the content for the heading of this section as well as the instructions section and the 'sh_flex2' related to the image placed to the right-hand side of the container. The classes named 'sub_sh_flex2', 'sub_sh_flex3' and 'sub_sh_flex4' related to the containers that contained each instruction number and description. Within these containers, classes named 'help_description' and 'help_number' were created with their respective numbers to allow for 'padding' to be applied in order to space these sections apart from each other.

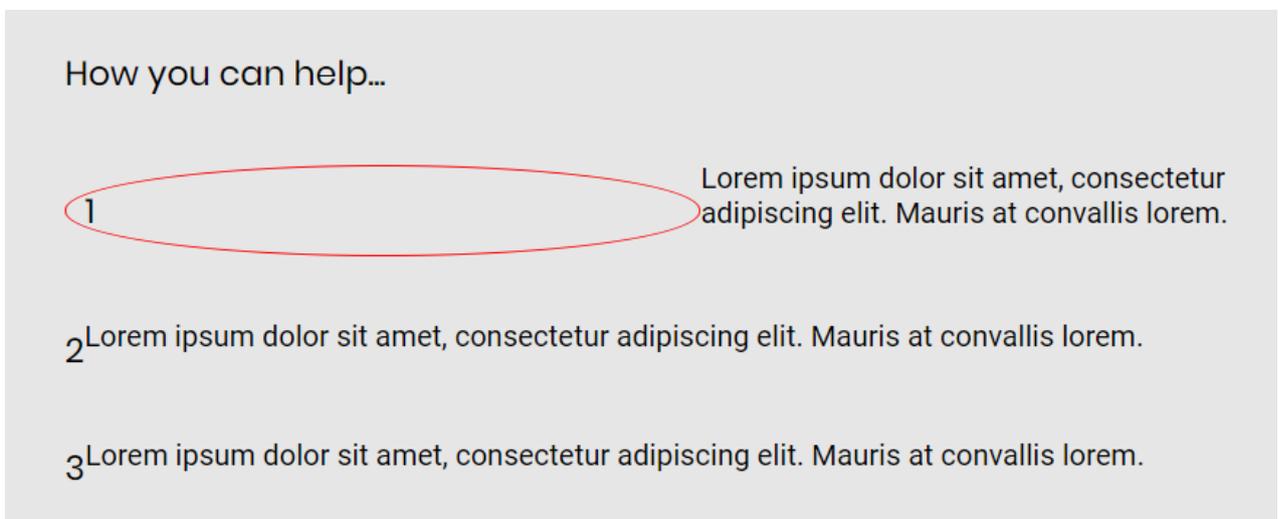
'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

After restructuring the code, adding in new containers as well as other aspects, I then attempted to style the red circle surrounding the instructions numbers so that this was at the best it possibly could be:

The First Attempt Using an 'inline style' in the HTML Code

```
<div class="sponsor_help_container">
  <div class="sh_flex1">
    <div class="sub_sh_flex1">
      <h3 style="text-align:center;">How you can help...</h3>
    </div>
    <div class="sub_sh_flex2">
      <h3 style="border: 1px solid red;border-radius:50%;padding:10px;width:100%;height:auto;">1</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    </div>
    <div class="sub_sh_flex3">
      <h3>2</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    </div>
    <div class="sub_sh_flex4">
      <h3>3</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    </div>
  </div>
  <div class="sh_flex2">
    
  </div>
</div>
```

The Outcome on the Web Page (This Didn't Produce the Required Outcome)

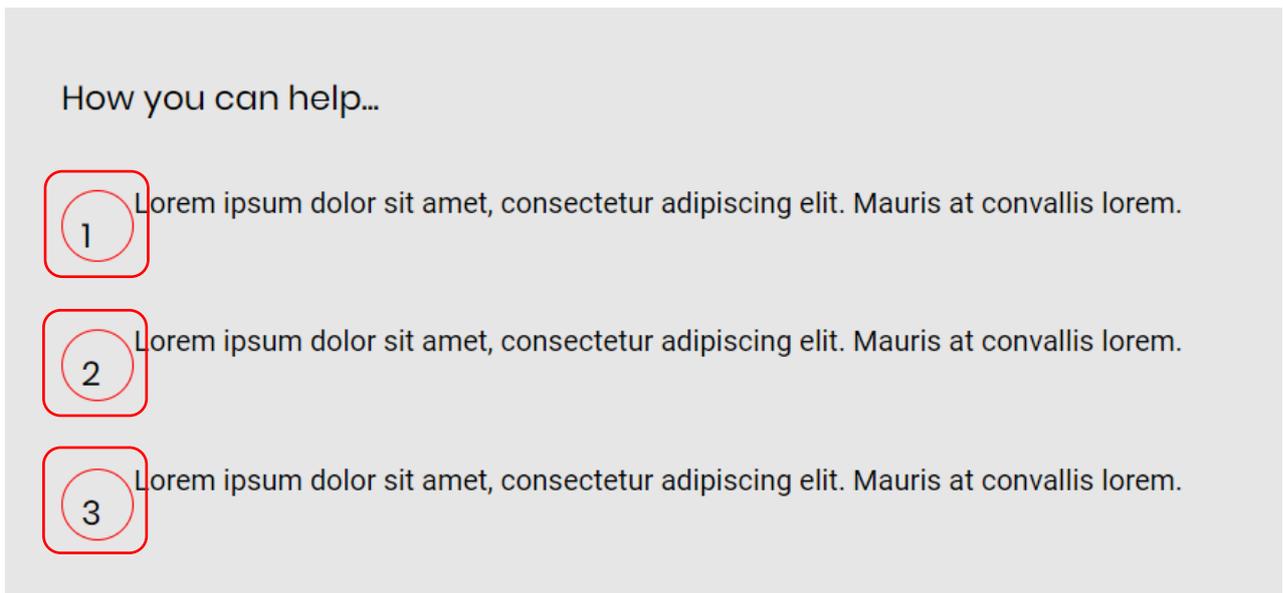


As will be evident above, the first attempt didn't work as the red circle was appearing to be too stretched and as a result, didn't appear to be rounded enough to produce the perfect circular shape. After making some adjustments to the 'inline style', I had then managed to produce a circle that was perfect:

Making some Adjustments to the 'inline style' in the HTML Code

```
<div class="sponsor_help_container">
  <div class="sh_flex1">
    <div class="sub_sh_flex1">
      <h3 style="text-align:center;">How you can help...</h3>
    </div>
    <div class="sub_sh_flex2">
      <h3 style="border: 1px solid red;border-radius:50%;padding:10px;width:40px;height:40px;">1</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    </div>
    <div class="sub_sh_flex3">
      <h3 style="border: 1px solid red;border-radius:50%;padding:10px;width:40px;height:40px;">2</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    </div>
    <div class="sub_sh_flex4">
      <h3 style="border: 1px solid red;border-radius:50%;padding:10px;width:40px;height:40px;">3</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    </div>
  </div>
  <div class="sh_flex2">
    
  </div>
</div>
```

The Outcome of this on the Web Page (This now Applied the Desired Outcome with Regards to the Red Circles)



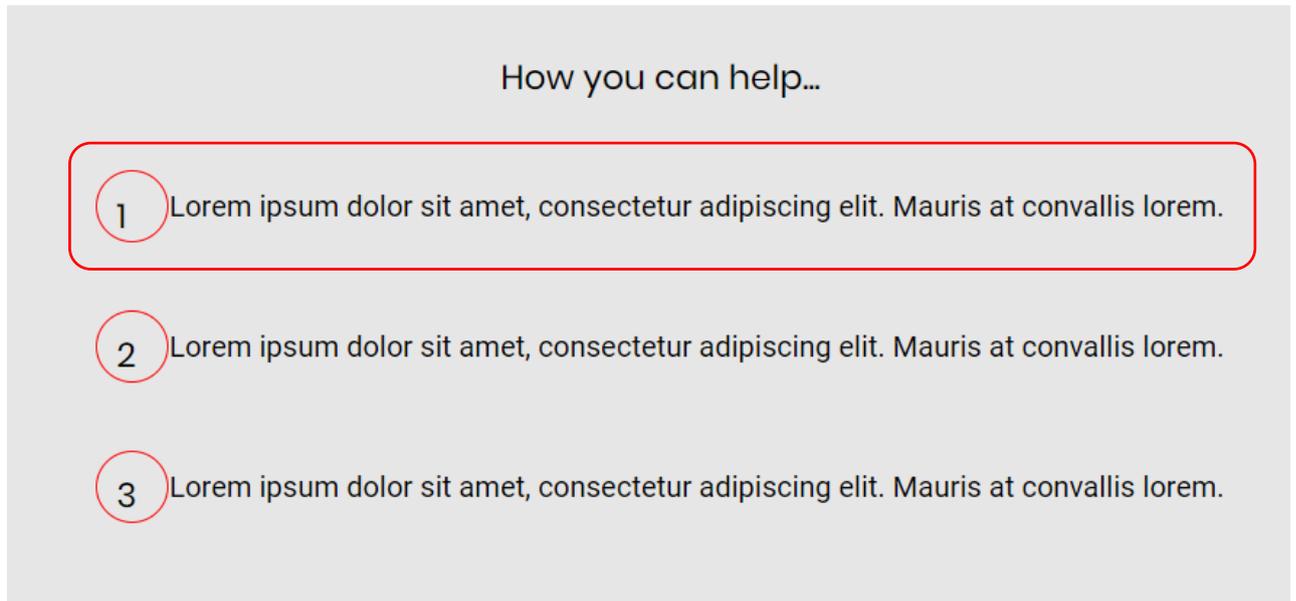
The aspect which allowed for the circles to be a perfect shape was setting the width and height to the same values with '40px' being used here as well as utilising 'border-radius' to add curved edges. Although the circle was now in a good condition, there was an issue regarding the numbers and paragraphs not being positioned inline with each other as would have been seen previously. To attempt to resolve this problem, I added both 'justify-content: center;' and 'align-items: center;' as I thought this may help to centre the elements inside each of the containers, in this scenario these were the numbers and descriptions:

Adding 'justify-content: center;' and 'align-items: center;' to the Required Container 'classes' in the CSS file

```
782
783 .sh_flex1 {
784   background: none;
785   width: 50%;
786   height: auto;
787   padding: 50px;
788   justify-content: center;
789   align-items: center;
790 }
791
792 .sub_sh_flex1 {
793   display: flex;
794   flex-direction: row;
795   justify-content: center;
796   align-items: center;
797 }
798
799 .sub_sh_flex2 {
800   display: flex;
801   flex-direction: row;
802   justify-content: center;
803   align-items: center;
804 }
805
806 .sub_sh_flex3 {
807   display: flex;
808   flex-direction: row;
809   justify-content: center;
810   align-items: center;
811 }
812
813 .sub_sh_flex4 {
814   display: flex;
815   flex-direction: row;
816   justify-content: center;
817   align-items: center;
818 }
819
820 .sh_flex2 {
821   background: none;
822   width: 50%;
823   height: auto;
824   padding: 50px;
825   align-content: center;
826 }
```

As a result of adding these changes, this then helped to resolve the issue and now the elements were displaying inline with each other on the page:

The Elements were now Displaying inline on the Page (Example Highlighted below)



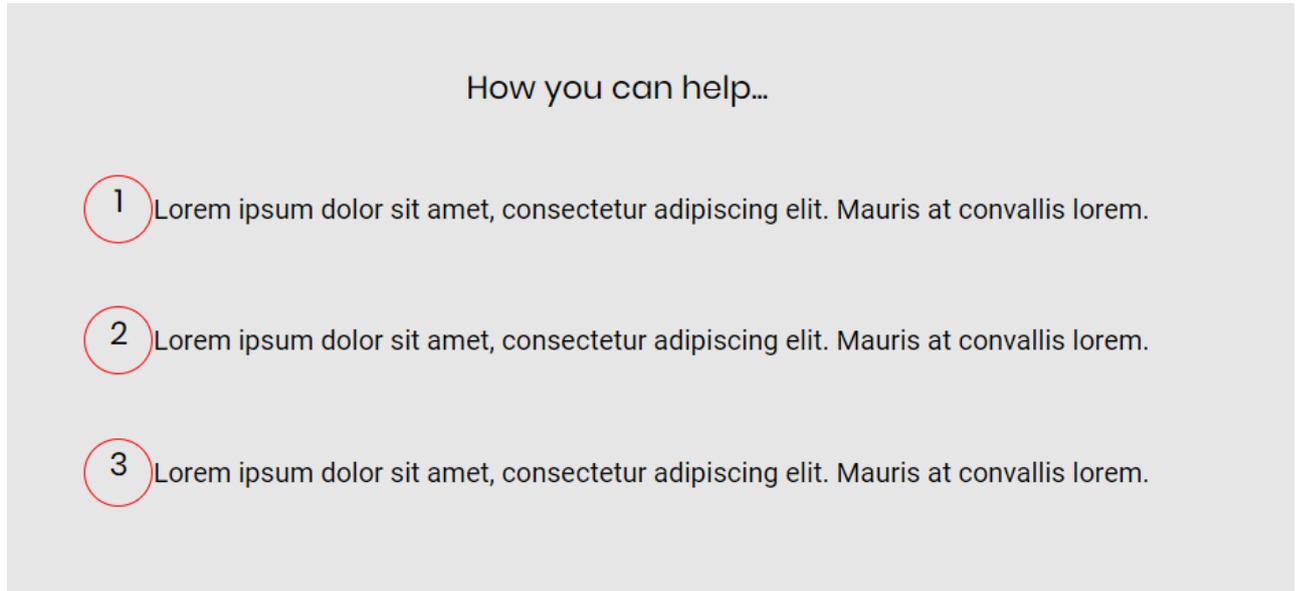
Even though I had now resolved the previous issue, the numbers weren't being positioned in the centre of the red circles that surrounded them. To begin, I thought I would apply 'text-align: center;' as I knew this would help to position the numbers centrally horizontally:

Adding 'text-align: center;' to the Code regarding the Number Sections on the Page in the HTML file

```
<div class="sponsor_help_container">
  <div class="sh_flex1">
    <div class="sub_sh_flex1">
      <h3 style="text-align:center;">How you can help...</h3>
    </div>
    <div class="sub_sh_flex2">
      <h3 style="border: 1px solid red;border-radius:50%;width:40px;height:40px;text-align:center;">1</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    </div>
    <div class="sub_sh_flex3">
      <h3 style="border: 1px solid red;border-radius:50%;width:40px;height:40px;text-align:center;">2</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    </div>
    <div class="sub_sh_flex4">
      <h3 style="border: 1px solid red;border-radius:50%;width:40px;height:40px;text-align:center;">3</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    </div>
  </div>
  <div class="sh_flex2">
    
  </div>
</div>
```

As a result of adding the previous style to the number sections of the page, this then helped to centrally position them but there were still some issues with regards to being positioned centrally in a vertical format:

The Numbers were Still not Displayed as Required



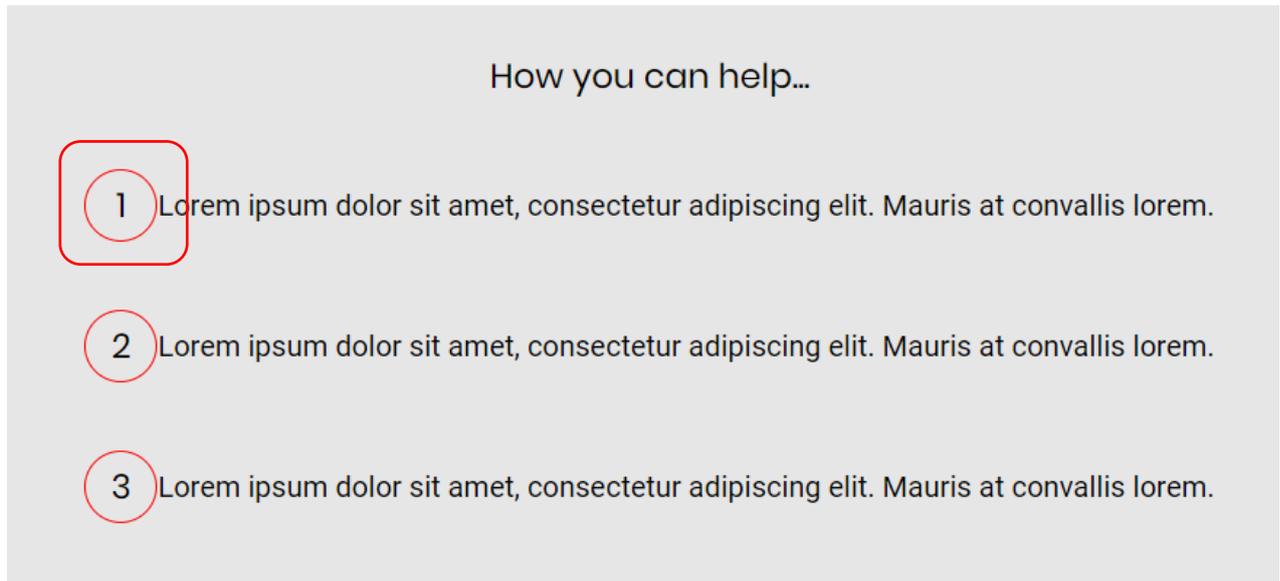
To try and fix this issue, I added 'padding' as I thought this may help to push the numbers inwards and as a result place them centrally both vertically and horizontally:

Applying 'padding' to the 'inline' Style in the HTML file

```
<div class="sponsor_help_container">
  <div class="sh_flex1">
    <div class="sub_sh_flex1">
      <h3 style="text-align:center;">How you can help...</h3>
    </div>
    <div class="sub_sh_flex2">
      <h3 style="border: 1px solid red;border-radius:50%;width:40px;height:40px;text-align:center;padding:5px;">1</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    </div>
    <div class="sub_sh_flex3">
      <h3 style="border: 1px solid red;border-radius:50%;width:40px;height:40px;text-align:center;padding:5px;">2</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    </div>
    <div class="sub_sh_flex4">
      <h3 style="border: 1px solid red;border-radius:50%;width:40px;height:40px;text-align:center;padding:5px;">3</h3>
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
    </div>
  </div>
  <div class="sh_flex2">
    
  </div>
</div>
```

The outcome of these changes was the one that had been required throughout the process and this now meant that the numbers for the instructions had been styled correctly:

This had now Resolved the Issue with the Positioning of the Numbers Inside the Red Circles



As would have been evident in the screenshot provided above, the numbers and their related instructions were positioned too close to each other so therefore I added another set of containers to space these sections apart:

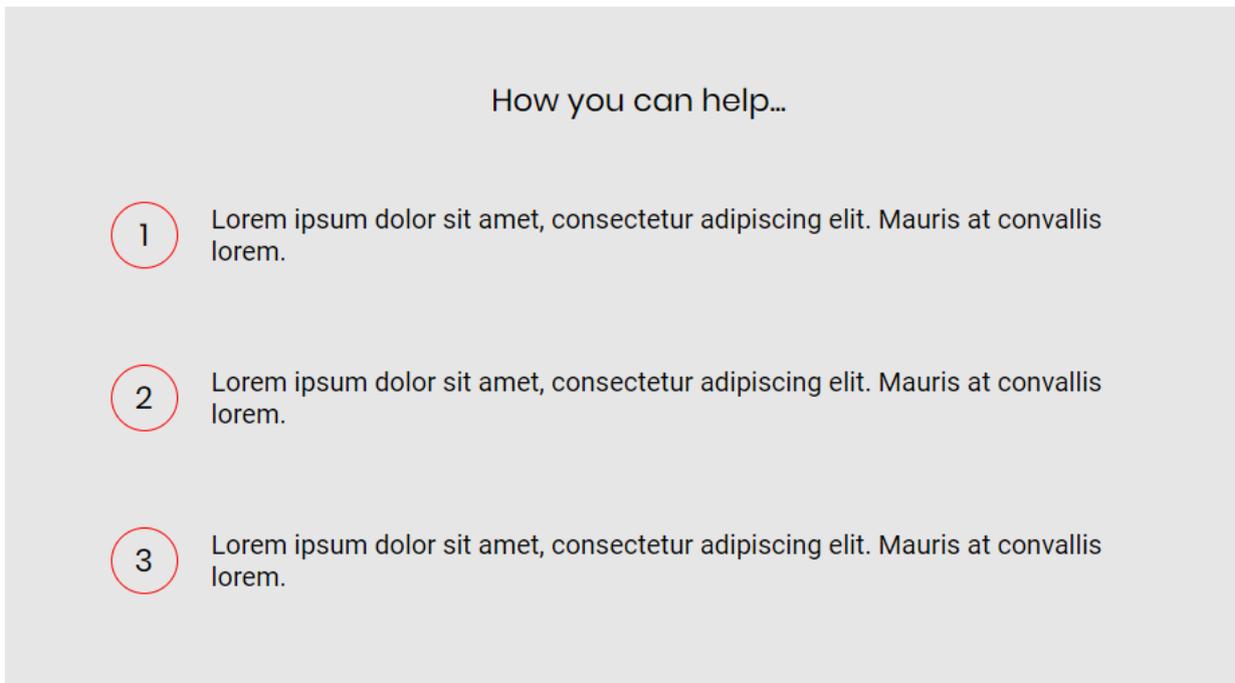
Adding the new Containers in the HTML file

```
<div class="sponsor_help_container">
  <div class="sh_flex1">
    <div class="sub_sh_flex1">
      <h3 style="text-align:center;">How you can help...</h3>
    </div>
    <div class="sub_sh_flex2">
      <div class="help_number1">
        <h3 style="border: 1px solid red;border-radius:50%;width:40px;height:40px;text-align:center;padding:5px;">1</h3>
      </div>
      <div class="help_description1">
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
      </div>
    </div>
    <div class="sub_sh_flex3">
      <div class="help_number2">
        <h3 style="border: 1px solid red;border-radius:50%;width:40px;height:40px;text-align:center;padding:5px;">2</h3>
      </div>
      <div class="help_description2">
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
      </div>
    </div>
    <div class="sub_sh_flex4">
      <div class="help_number3">
        <h3 style="border: 1px solid red;border-radius:50%;width:40px;height:40px;text-align:center;padding:5px;">3</h3>
      </div>
      <div class="help_description3">
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
      </div>
    </div>
  </div>
  <div class="sh_flex2">
    
  </div>
</div>
```

Adding 'padding' to these Newly Created Containers in the CSS file to add Space on the Page

```
.help_number1 {  
  padding: 10px;  
}  
  
.help_description1 {  
  padding: 10px;  
}  
  
.help_number2 {  
  padding: 10px;  
}  
  
.help_description2 {  
  padding: 10px;  
}  
  
.help_number3 {  
  padding: 10px;  
}  
  
.help_description3 {  
  padding: 10px;  
}
```

The Outcome of the Previous Changes on the Web Page (This was Successful)



'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

At this stage, this therefore meant that now this section of the page had been completed with the code as well as the outcome being displayed below:

The HTML Code for this Section of the Page

```
<div class="sponsor_help_container">
  <div class="sh_flex1">
    <div class="sub_sh_flex1">
      <h3 style="text-align:center;color:#C70638;">How you can help...</h3>
    </div>
    <div class="sub_sh_flex2">
      <div class="help_number1">
        <h3 style="border: 1.5px solid red;border-radius:50%;width:40px;height:40px;text-align:center;padding:5px;color:red!important;background:white;">1</h3>
      </div>
      <div class="help_description1">
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
      </div>
    </div>
    <div class="sub_sh_flex3">
      <div class="help_number2">
        <h3 style="border: 1.5px solid red;border-radius:50%;width:40px;height:40px;text-align:center;padding:5px;color:red!important;background:white;">2</h3>
      </div>
      <div class="help_description2">
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
      </div>
    </div>
    <div class="sub_sh_flex4">
      <div class="help_number3">
        <h3 style="border: 1.5px solid red;border-radius:50%;width:40px;height:40px;text-align:center;padding:5px;color:red!important;background:white;">3</h3>
      </div>
      <div class="help_description3">
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
      </div>
    </div>
  </div>
  <div class="sh_flex2">
    
  </div>
</div>
```

The CSS Code for this Section of the Page

```
.sponsor_help_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 10px;
  background-color:#e6e6e6;
}

.sh_flex1 {
  background: none;
  width: 50%;
  height: auto;
  padding: 50px;
  justify-content: center;
  align-items: center;
}

.sub_sh_flex1 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

.sub_sh_flex2 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%; /* APPLIED TH
  height: auto;
}

.help_number1 {
  padding: 10px;
}

.help_description1 {
  padding: 10px;
}

.help_number2 {
  padding: 10px;
}

.help_description2 {
  padding: 10px;
}

.help_number3 {
  padding: 10px;
}

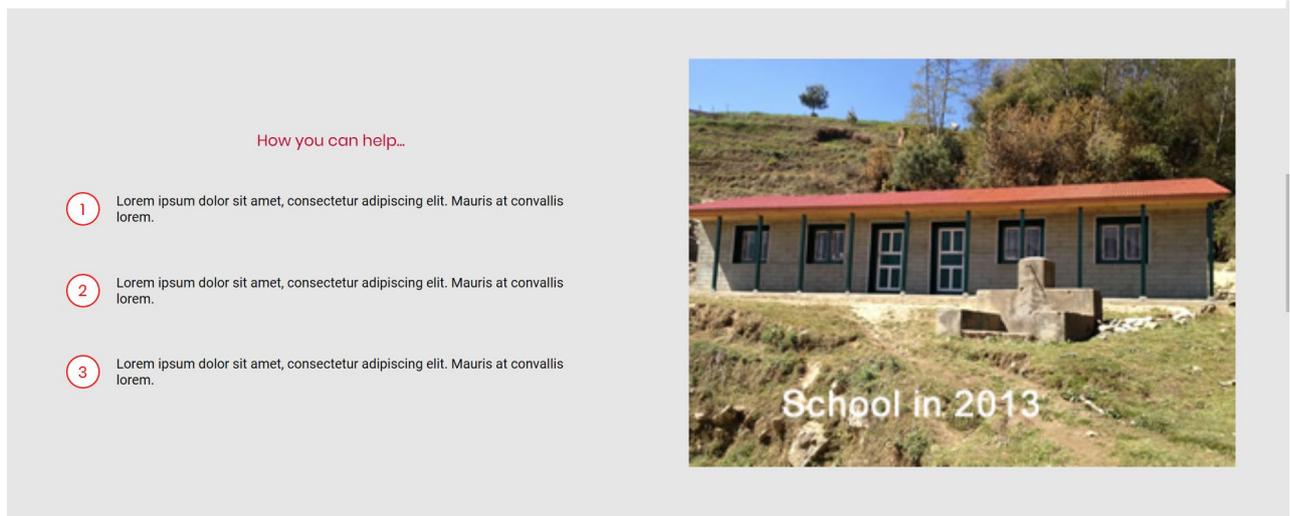
.help_description3 {
  padding: 10px;
}

.sub_sh_flex3 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

.sub_sh_flex4 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

.sh_flex2 {
  background: none;
  width: 50%;
  height: auto;
  padding: 50px;
  align-content: center;
}
```

The Outcome on the Web Page – Snipping tool



After completing the previous section of the page, the task was now to create the section underneath relating to who has been helped by sponsor a child. Whilst beginning to create this section, I had realised that I needed to create two containers, one for the title and one for the content as this was causing the current issue of displaying both of these aspects inline which can be viewed below:

The Current HTML Code (Please note this Code may not Replicate the Code at the Current time as this was Captured after the Issue had been Resolved)

```
<div class="children_container">
  <div class="children_title_container">
    <div class="children_flex"><h2 style="text-align:center;">Who this had helped already...</h2></div>
  </div>
  <div class="children_content_container">
    <div class="children_flex1">
      
      <h3 style="text-align:center;color:#C70638;">Child 1</h3>
      <p style="text-align:center;padding-left:20px;padding-right:20px;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec duī scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse.</p>
    </div>
    <div class="children_flex2">
      
      <h3 style="text-align:center;color:#C70638;">Child 2</h3>
      <p style="text-align:center;padding-left:20px;padding-right:20px;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec duī scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse.</p>
    </div>
    <div class="children_flex3">
      
      <h3 style="text-align:center;color:#C70638;">Child 3</h3>
      <p style="text-align:center;padding-left:20px;padding-right:20px;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec duī scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse.</p>
    </div>
    <div class="children_flex4">
      
      <h3 style="text-align:center;color:#C70638;">Child 4</h3>
      <p style="text-align:center;padding-left:20px;padding-right:20px;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec duī scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse.</p>
    </div>
  </div>
</div>
```

The Current CSS Code (Please note this Code may not Replicate the Code at the Current time as this was Captured after the Issue had been Resolved)

```
.children_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 50px;
}

.children_title_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  padding: 0px;
}

.children_flex {
  width: 100%;
  height: auto;
  padding: 0px;
}

.children_content_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: row;
}

.children_flex1 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
}

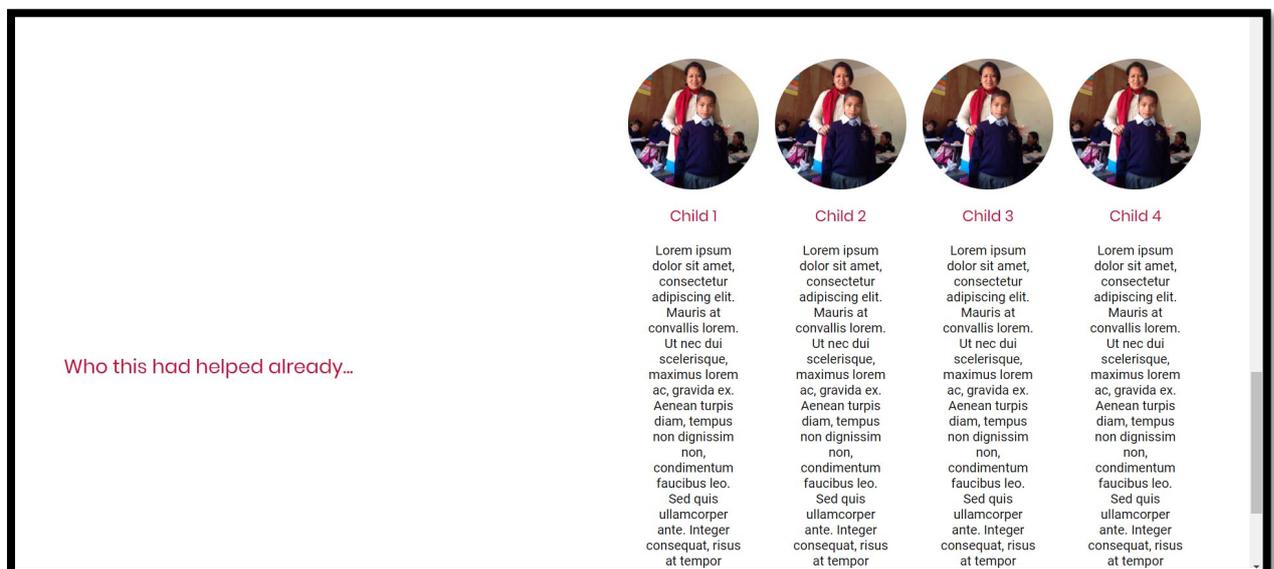
.children_flex2 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.children_flex3 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.children_flex4 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.children_images {
  display: block;
  margin: auto;
  width: 100%;
  height: auto;
  border-radius: 50%;
}
```

The Current Issue with the Elements Displaying Inline



'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

To resolve this issue, I changed the 'flex-direction' of the container to 'column' as currently this was set to 'row' which meant that the containers and content inside of this would be displayed in a row format as seen above. This then resolved the issue and now the content was being displayed in a column format instead:

Changing the 'flex-direction' of the main Container of this Section in the CSS file

```
.children_container {  
  width: 100%;  
  height: auto;  
  display: flex;  
  flex-direction: column;  
  justify-content: center;  
  align-items: center;  
  background: none;  
  padding: 50px;  
}
```

The Outcome of this on the Web Page (This now Resolved the Problem)

Who this had helped already...



Child 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse.



Child 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse.



Child 3

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse.



Child 4

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse.

This section had now been completed on the page and the final code as well as the outcome can be viewed below:

The HTML Code for this Section of the Page

```
<div class="children_container">
  <div class="children_title_container">
    <div class="children_flex"><h2 style="text-align:center;">Who this had helped already...</h2></div>
  </div>
  <div class="children_content_container">
    <div class="children_flex1">
      
      <h3 style="text-align:center;color:#C7063B;">Child 1</h3>
      <p style="text-align:center;padding-left:20px;padding-right:20px;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse.</p>
    </div>
    <div class="children_flex2">
      
      <h3 style="text-align:center;color:#C7063B;">Child 2</h3>
      <p style="text-align:center;padding-left:20px;padding-right:20px;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse.</p>
    </div>
    <div class="children_flex3">
      
      <h3 style="text-align:center;color:#C7063B;">Child 3</h3>
      <p style="text-align:center;padding-left:20px;padding-right:20px;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse.</p>
    </div>
    <div class="children_flex4">
      
      <h3 style="text-align:center;color:#C7063B;">Child 4</h3>
      <p style="text-align:center;padding-left:20px;padding-right:20px;">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse.</p>
    </div>
  </div>
</div>
```

The CSS Code for this Section of the Page

```
.children_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 50px;
}

.children_title_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  padding: 0px;
}

.children_flex {
  width: 100%;
  height: auto;
  padding: 0px;
}

.children_content_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: row;
}

.children_flex1 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
}

.children_flex2 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.children_flex3 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.children_flex4 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.children_images {
  display: block;
  margin: auto;
  width: 100%;
  height: auto;
  border-radius: 50%;
}
```

The Outcome of this on the Web Page



After completing the previous section for the 'Sponsor a Child' page, I then decided to begin creating the 'Spread the Word' section of the page. To assist myself in completing this, I integrated some code from the 'About Us' page that had been previously created as this represented a similar structure to the one required. I also at this point had changed some aspects such as the title and adding of the social media links:

Integrating the Code from the 'About Us' Page in the HTML file

```
<div class="about_socialm_container">
  <div class="asm_title_container">
    <div class="asm_flex1">
      <h2 style="text-align:center;">Spread the Word</h2>
      <!--
  </div>
  <div class="asm_content_container">
    <div class="asm_flex2" style="border: none;">
      <a class="fa fa-facebook"></a><br><br>
      <a href="#">Charitable Foundation for the Education of Nepalese Children</a>
    </div>
    <div class="asm_flex3" style="border: none;">
      <a class="fa fa-twitter"></a><br><br>
      <a href="#">@CFENC1</a>
    </div>
    <div class="asm_flex4" style="border: none;">
      <a class="fa fa-youtube" style="text-align:center;"></a><br><br>
      <a href="#">CFENC UK Charity</a>
    </div>
  </div>
</div>
</div>
```

The CSS Code Linking to the 'classes' in the HTML Code (Please note that Some names and Styles may Have Changed in these Screenshots due to being Captured at a later date)

```
.about_socialm_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 10px;
}

.asm_title_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
}

.asm_flex1 {
  background: none;
  width: 100%;
  height: auto;
  padding: 10px;
}

.asm_content_container1 {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
}

.asm_flex2 {
  background: none;
  width: 50%;
  height: auto;
  padding: 10px;
  align-content: center;
  justify-content: center;
  text-align: center;
}

.asm_flex3 {
  background: none;
  width: 50%;
  height: auto;
  padding: 10px;
  align-content: center;
  justify-content: center;
  text-align: center;
}

.asm_flex4 {
  background: none;
  width: 100%;
  height: auto;
  padding: 10px;
  align-content: center;
  justify-content: center;
  text-align: center;
}
```

The Outcome of both of these Aspects on the Web Page

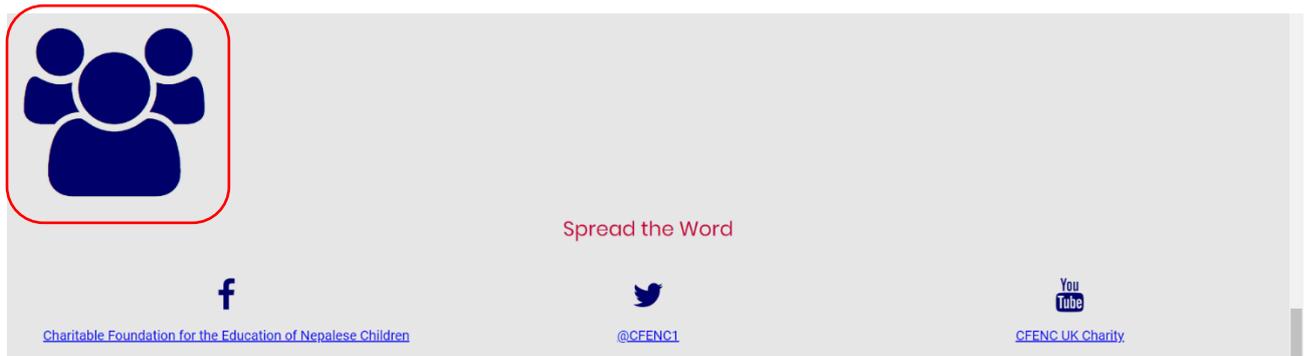


After undertaking the previous task, I then changed the 'class' names and added relevant code for these to relate to this section of the 'Sponsor a Child' page. Whilst attempting to style this part of the page, I encountered a problem with trying to display one of the icons centrally:

Attempting to Position the 'Group' Icon Centrally through the use of 'text-align: center!important;'

```
<div class="spread_word_container">
  <div class="sw_title_container">
    <div class="sw_flex1">
      <a class="fa fa-group" style="text-align:center!important;font-size:200px!important;"></a>
      <h2 style="text-align:center;">Spread the Word</h2>
      <!--
    </div>
  </div>
  <div class="sw_content_container">
    <div class="sw_flex2" style="border: none;">
      <a class="fa fa-facebook"></a><br><br>
      <a href="#">Charitable Foundation for the Education of Nepalese Children</a>
    </div>
    <div class="sw_flex3" style="border: none;">
      <a class="fa fa-twitter"></a><br><br>
      <a href="#">@CFENC1</a>
    </div>
    <div class="sw_flex4" style="border: none;">
      <a class="fa fa-youtube" style="text-align:center;"></a><br><br>
      <a href="#">CFENC UK Charity</a>
    </div>
  </div>
</div>
```

The Outcome of this on the Web Page (This Didn't Position the Icon Centrally)



I had applied 'text-align: center!important;' to the icon to try and override the 'font-awesome' stylesheet of where this icon was being retrieved from. However, as is evident above this didn't successfully work. I then thought that adding 'text-align: center;' to the container of which the icon was placed within may force to position everything inside centrally and as a result, provide the required outcome. As expected, this then did successfully work as is evident below:

Adding 'text-align: center;' to the Container in the CSS file

```
.spread_word_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 10px;
  background: #e6e6e6;
}

.sw_title_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
}

.sw_flex1 {
  background: none;
  width: 100%;
  height: auto;
  padding: 10px;
  text-align: center;
}

.sw_content_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
}

.sw_flex2 {
  background: none;
  width: 33.33%;
  height: auto;
  padding: 10px;
  align-content: center;
  justify-content: center;
  text-align: center;
}
```

The Outcome of this on the Web Page (This now Worked)



Now the previous problem had been fixed, I then continued to refine some areas of the page which included removing the links and positioning the social media icons closer together centrally on the page as well as adding a 'hr' tag to divide the title section and social media links section apart. The final code for this stage of the project for this section can be viewed below as well as the outcome:

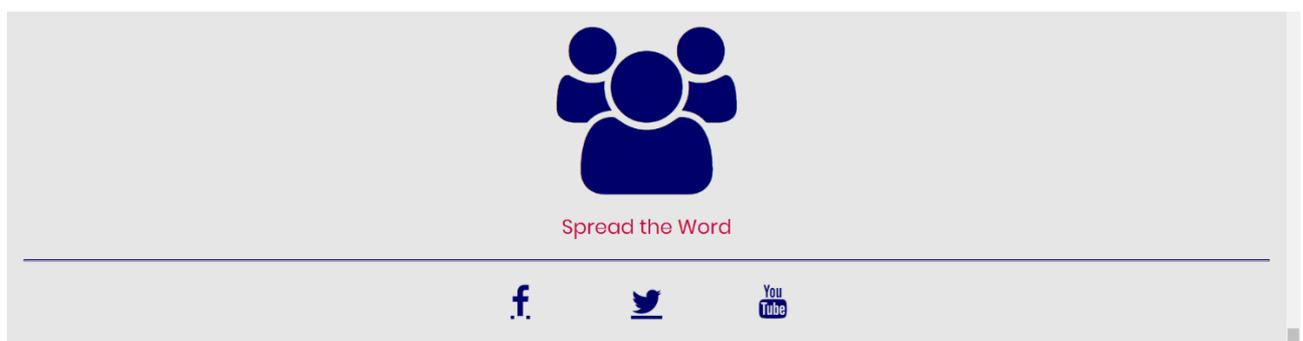
The HTML Code for this Section of the Page

```
<div class="spread_word_container">
  <div class="sw_title_container">
    <div class="sw_flex1">
      <a class="fa fa-group" style="font-size:200px!important;"></a>
      <h2 style="text-align:center;">Spread the Word</h2>
      <hr>
      <!--
  </div>
  <div class="sw_content_container">
    <div class="sw_flex2" style="border: none;">
      <a href="#" class="fa fa-facebook"></a><br><br>
    </div>
    <div class="sw_flex3" style="border: none;">
      <a href="#" class="fa fa-twitter"></a><br><br>
    </div>
    <div class="sw_flex4" style="border: none;">
      <a href="#" class="fa fa-youtube" style="text-align:center;"></a><br><br>
    </div>
  </div>
</div>
```

The CSS Code for this Section of the Page (Highlighted Aspects Relating to the Positioning of the Social Media Links/Icons)

```
.spread_word_container {  
  width: 100%;  
  height: auto;  
  display: flex;  
  flex-direction: column;  
  justify-content: center;  
  align-items: center;  
  background: none;  
  padding: 10px;  
  background: #e6e6e6;  
}  
  
.sw_title_container {  
  display: flex;  
  flex-direction: row;  
  width: 100%;  
  height: auto;  
}  
  
.sw_flex1 {  
  background: none;  
  width: 100%;  
  height: auto;  
  padding: 10px;  
  text-align: center;  
}  
  
.sw_content_container {  
  display: flex;  
  flex-direction: row;  
  width: 100%;  
  height: auto;  
  align-content: center;  
  justify-content: center;  
}  
  
.sw_flex2 {  
  background: none;  
  width: 10%;  
  height: auto;  
  padding: 10px;  
  align-content: center;  
  justify-content: center;  
  text-align: center;  
}  
  
.sw_flex3 {  
  background: none;  
  width: 10%;  
  height: auto;  
  padding: 10px;  
  align-content: center;  
  justify-content: center;  
  text-align: center;  
}  
  
.sw_flex4 {  
  background: none;  
  width: 10%;  
  height: auto;  
  padding: 10px;  
  align-content: center;  
  justify-content: center;  
  text-align: center;  
}
```

The Outcome of this Section on the Page



At a later date, it is worth noting that I removed the underlining on each of the social media links by adding a new style relating to the 'anchor' links for this section of the page, adding 'text-decoration: none;'. Originally the underlining was displaying due to the default being applied which included 'text-decoration: underline;' as a style hadn't been set at this stage. As will also be evident, I added some styling regarding hovering over the links where the colour would change with a smooth transition due to 'transition: 0.2s;' being applied both to when hovering and not hovering:

Adding the Following Styles to the CSS file Regarding this Section of the Page

```
.sw_content_container a {  
  text-decoration: none;  
  transition: 0.2s;  
}  
  
.sw_content_container a:hover {  
  color: #C7063B;  
  transition: 0.2s;  
}
```

The Outcome on the Web Page (The 'text-decoration' had now been Removed)



The Final Outcomes of the Sponsor a Child Page (Desktop and Mobile)

After refinements had been made to the sponsor a child page at a later stage which included adding 'hr' tags to help divide sections on mobile as well as removing some areas of 'padding', I had then managed to create the final outcomes on desktop and mobile devices. This can be viewed below. Please note that at a further later stage, the outcome of this may have changed due to several reasons including testing and further refinements:

The HTML file

```
<!DOCTYPE html> <!-- ALL CODE TIDIED AS WELL AS RELATING CSS CODE 30/11/18 -->
<html lang="en">
<head>
  <title>CFENC | Sponsor a Child</title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0"> <!--https://www.w3schools.com/css/css_rwd_vie
  <link rel="stylesheet" href=" ../styles/stylesheet.css"> <!-- REASON WHY THE STYLES WEREN'T APPLYING IN THE FIRST PLA
  <link href="https://fonts.googleapis.com/css?family=Poppins|Roboto" rel="stylesheet"> <!-- APPLYING THE SELECTED GOO
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="icon" href="http://www.danielhwilkins.co.uk/favicon.jpg" type="image/jpg" sizes="32x32"> <!--https://www.
</head>
<body>

<!-- BANNER SECTION START -->

<div class="banner_container">
  <div class="banner_flex1">
    
  </div>
  <div class="banner_flex2">
    <h1>The Charitable Foundation for the Education of Nepalese Children</h1>
  </div>
  <div class="banner_flex3">
    <div class="search_container">
      <form action="">
        <input type="text" placeholder="Search..." name="search">
        <button type="submit"><i class="fa fa-search" style="font-size:20px!important;"></i></button>
      </form>
      <br>
      <button class="donate_buttons">DONATE</button>
    </div>
  </div>
</div>

<!-- BANNER SECTION END -->

<!-- NAVIGATION BAR SECTION START -->

<div class="navigation_container" id="sticky_navigation_container">
  <ul class="navigation_bar" id="navigation_ul">
     <!--https://www.w3schools.com/html/html
    com/questions/2835140/how-do-i-link-to-part-of-a-page-hash REFERENCE DONE-->
    <p id="navigation_text">CFENC</p>
    <li><a href=" ../index.html">Home</a></li>
    <li><a href="cfenc_history_pg.html">History</a></li>
    <li><a href="cfenc_about_pg.html">About Us</a></li>
    <li><a href="cfenc_projects_pg.html">Projects</a></li>
    <li><a href="cfenc_donations_pg.html">Donations</a></li>
    <li style="border-bottom:2px solid #C7063B;"><a href="cfenc_sponsor_pg.html">Sponsor a Child</a></li>
    <li><a href="cfenc_partners_pg.html">Our Partners</a></li>
    <li><a href="cfenc_shop_pg.html">Shop</a></li>
    <li><a href="cfenc_gallery_pg.html">Gallery</a></li>
    <li><a href="cfenc_events_pg.html">Events</a></li>
    <li><a href="cfenc_contact_pg.html">Contact</a></li>
    <div class="hamburger_menu" onclick="hamburgerFunction(this)"> <!--https://www.w3schools.com/howto/
    <div class="bar1"></div>
    <div class="bar2"></div>
    <div class="bar3"></div>
  </div>

  <script>
  function hamburgerFunction(x) { //https://www.w3schools.com/howto/howto_js_topnav_responsive.asp - REFERE
  x.classList.toggle("change"); //https://www.w3schools.com/howto/howto_css_menu_icon.asp - REFERENCE
  var x = document.getElementById("responsive_nav_box");
  if (x.style.display === "block") {
    x.style.display = "none";
    x.style.opacity = "0";
    x.style.transition = "0.5s";
  } else {
    x.style.display = "block";
    x.style.opacity = "1";
    x.style.transition = "0.5s";
  }
}
</script>
```

```
<div id="responsive_nav_box">
  <li><a href="../index.html">Home</a></li>
  <li><a href="cfenc_history_pg.html">History</a></li>
  <li><a href="cfenc_about_pg.html">About Us</a></li>
  <li><a href="cfenc_projects_pg.html">Projects</a></li>
  <li><a href="cfenc_donations_pg.html">Donations</a></li>
  <li style="border-bottom:2px solid #C70638;"><a href="cfenc_sponsor_pg.html">Sponsor a Child</a></li>
  <li><a href="cfenc_partners_pg.html">Our Partners</a></li>
  <li><a href="cfenc_shop_pg.html">Shop</a></li>
  <li><a href="cfenc_gallery_pg.html">Gallery</a></li>
  <li><a href="cfenc_events_pg.html">Events</a></li>
  <li><a href="cfenc_contact_pg.html">Contact</a></li>
</div>
</ul>
</div>
<!-- NAVIGATION BAR SECTION END -->
<!-- PAGE HEADER IMAGE START -->
<div class="sticky_content">
  <div class="headline_image_container">
    <div class="headline_flex1">
      
    </div>
  </div>
</div>
<!-- PAGE HEADER IMAGE END -->
<!-- INTRODUCTION SECTION START -->
<div class="sponsor_introduction_container">
  <div class="si_title_container">
    <div class="si_flex1">
      <h2>Sponsor a Child</h2>
    </div>
  </div>
  <div class="si_content_container">
    <div class="si_flex2">
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibh elit ullamcorper lacus, eget tincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus tincidunt lacus, at hendrerit leo ante at nulla. Phasellus scelerisque consectetur odio eget placerat. Interdum et malesuada fames ac ante ipsum primis in faucibus. Donec ultrices urna elit, a fermentum ligula maximus et. Cras malesuada varius pulvinar. Duis vel dolor quis est facilisis convallis. Pellentesque viverra quam non ligula volutpat cursus. Mauris quis justo vitae erat congue venenatis.</p>
      <p>Aliquam porttitor efficitur tristique. Nullam ut facilisis justo. Phasellus sit amet dictum risus. Vestibulum mattis lacus in magna euismod vulputate. Morbi rutrum, nibh a aliquam varius, turpis mauris tincidunt est, nec vestibulum libero mi sit amet ligula. Curabitur rutrum risus in metus imperdiet, vel maximus ligula condimentum</p>
    </div>
    <div class="si_flex3">
      
    </div>
  </div>
</div>
<!-- INTRODUCTION SECTION END -->
<!-- SPONSOR A CHILD MAIN SECTION START -->
<!-- How you can help Section Start -->
<div class="sponsor_help_container">
  <div class="sh_flex1">
    <div class="sub_sh_flex1">
      <h3 style="text-align:center;color:#C70638;">How you can help...</h3>
    </div>
    <div class="sub_sh_flex2">
      <div class="help_number1">
        <h3 style="border: 1.5px solid red;border-radius:50%;width:40px;height:40px;text-align:center;padding:5px;color:red!important;background:white;">1</h3>
      </div>
      <div class="help_description1">
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
      </div>
    </div>
  </div>
</div>
```

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

```
<div class="sub_sh_flex3">
  <div class="help_number2">
    <h3 style="border: 1.5px solid red;border-radius:50%;width:40px;height:40px;text-align:center;padding:5px;color:red!important;background:white;"></h3>
  </div>
  <div class="help_description2">
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
  </div>
</div>
<div class="sub_sh_flex4">
  <div class="help_number3">
    <h3 style="border: 1.5px solid red;border-radius:50%;width:40px;height:40px;text-align:center;padding:5px;color:red!important;background:white;"></h3>
  </div>
  <div class="help_description3">
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.</p>
  </div>
</div>
</div>
<div class="sh_flex2">
  
</div>
</div>
<!-- How you can help Section End -->
<!-- Who this has helped Section Start -->
<div class="children_container">
  <div class="children_title_container">
    <div class="children_flex"><h2 style="text-align:center;">Who this had helped already...</h2></div>
  </div>
  <div class="children_content_container">
    <div class="children_flex1">
      
      <h3 style="text-align:center;color:#C7063B;">Ashal Pradhan</h3>
      <p>Ashal became the charity's first sponsored pupil after his father sacrificed his life in the attempt to save that of another. Ashal and his mother, Parbiter, returned to Kathmandu to live with her family; her elder son was sent to live with other family members. As was the case until fairly recently in Nepali history, his mother was unable to read or write herself, therefore Parbiter was unable to support herself or her sons and school for Ashal seemed an unlikely proposition.</p>
      <p>Now thanks to a monthly donation to CFENC his education, uniform, stationery, entrance and examination fees are covered and his future is assured.</p>
    </div>
    <hr class="responsive_sponsor_hr">
    <div class="children_flex2">
      
      <h3 style="text-align:center;color:#C7063B;">Ashal Pradhan</h3>
      <p>Ashal became the charity's first sponsored pupil after his father sacrificed his life in the attempt to save that of another. Ashal and his mother, Parbiter, returned to Kathmandu to live with her family; her elder son was sent to live with other family members. As was the case until fairly recently in Nepali history, his mother was unable to read or write herself, therefore Parbiter was unable to support herself or her sons and school for Ashal seemed an unlikely proposition.</p>
      <p>Now thanks to a monthly donation to CFENC his education, uniform, stationery, entrance and examination fees are covered and his future is assured.</p>
    </div>
  </div>
  <hr class="responsive_sponsor_hr">
  <div class="children_flex3">
    
    <h3 style="text-align:center;color:#C7063B;">Ashal Pradhan</h3>
    <p>Ashal became the charity's first sponsored pupil after his father sacrificed his life in the attempt to save that of another. Ashal and his mother, Parbiter, returned to Kathmandu to live with her family; her elder son was sent to live with other family members. As was the case until fairly recently in Nepali history, his mother was unable to read or write herself, therefore Parbiter was unable to support herself or her sons and school for Ashal seemed an unlikely proposition.</p>
    <p>Now thanks to a monthly donation to CFENC his education, uniform, stationery, entrance and examination fees are covered and his future is assured.</p>
  </div>
  <hr class="responsive_sponsor_hr">
  <div class="children_flex4">
    
    <h3 style="text-align:center;color:#C7063B;">Ashal Pradhan</h3>
    <p>Ashal became the charity's first sponsored pupil after his father sacrificed his life in the attempt to save that of another. Ashal and his mother, Parbiter, returned to Kathmandu to live with her family; her elder son was sent to live with other family members. As was the case until fairly recently in Nepali history, his mother was unable to read or write herself, therefore Parbiter was unable to support herself or her sons and school for Ashal seemed an unlikely proposition.</p>
    <p>Now thanks to a monthly donation to CFENC his education, uniform, stationery, entrance and examination fees are covered and his future is assured.</p>
  </div>
</div>
</div>
<!-- Who this has helped Section End -->
<!-- Spread the Word Section Start -->
<div class="spread_word_container">
  <div class="sw_title_container">
    <div class="sw_flex1">
      <a class="fa fa-group" style="font-size:200px!important;"></a>
      <h2 style="text-align:center;">Spread the Word</h2>
    </div>
  </div>
  <div class="sw_content_container">
    <div class="sw_flex2" style="border: none;">
      <a href="https://www.facebook.com/Charitable-Foundation-for-the-Education-of-Nepalese-Children-202319123133798/" target="_blank" class="fa fa-facebook"></a><br><br>
    </div>
    <div class="sw_flex3" style="border: none;">
      <a href="https://twitter.com/CFENC1" target="_blank" class="fa fa-twitter"></a><br><br>
    </div>
    <div class="sw_flex4" style="border: none;">
      <a href="https://www.youtube.com/channel/UCQGFNFquhBbUQAjKfCz71Aw" target="_blank" class="fa fa-youtube" style="text-align:center;"></a><br><br>
    </div>
  </div>
</div>
<!-- Spread the Word Section End -->
<!-- SPONSOR A CHILD MAIN SECTION END -->
```

'CFENC' Project (Y3S1) Development Process Document (Part 2) – Daniel Wilkins

```
<!-- FOOTER SECTION START -->
<div class="footer_container" style="background-color:#000000;">
  <div class="footer_flex1">
    <div class="ff1_sub1">
      
    </div>
    <div class="ff1_sub2">
      <p>CFENC 2018</p>
    </div>
  </div>
  <div class="footer_flex2">
    <hr class="responsive_footer_hr">
    <div class="ff2_heading">
      <h2>Social Media and Policies</h2>
    </div>
    <div class="sub_fflex1">
      <a href="https://www.facebook.com/Charitable-Foundation-for-the-Education-of-Nepalese-Children-202310123133798/" target="_blank" class="fa fa-facebook fsm_links" style="text-align:center;color:white!important;font-size:25px!important;padding:10px!important;text-decoration:none!important;"></a>
      <a href="https://twitter.com/CFENC1" target="_blank" class="fa fa-twitter fsm_links" style="text-align:center;color:white!important;font-size:25px!important;padding:10px!important;text-decoration:none!important;"></a>
      <a href="https://www.youtube.com/channel/UCQGFNquhBbUQAjKFcZ71Aw" target="_blank" class="fa fa-youtube fsm_links" style="text-align:center;color:white!important;font-size:25px!important;padding:10px!important;text-decoration:none!important;"></a> <!-- Added links in for social media channels -->
    </div>
    <div class="sub_fflex2">
      <a href="#" style="padding:10px;color:#C70638;">Privacy Policy</a>
      <a href="#" style="padding:10px;color:#C70638;">Terms & Conditions</a>
    </div>
  </div>
  <div class="footer_flex3">
    <hr class="responsive_footer_hr">
    <div class="ff3_heading">
      <h2>Address</h2>
    </div>
    <div class="sub_fflex3">
      <p>Watergate Cottage<br>
      10 Watergate<br>
      Colerne<br>
      Wilts SN14 8DP</p>
    </div>
  </div>
  <div class="footer_flex4">
    <hr class="responsive_footer_hr">
    <div class="ff4_heading">
      <h2>Contact Details</h2>
    </div>
    <div class="ff4_sub1">
      <p>Email | cfenc@btinternet.com</p>
      <p>Telephone | 01234 567890</p>
      <p>Registered UK Charity Number | 0123456789</p>
    </div>
  </div>
</div>
<!-- FOOTER SECTION END -->
</div>
<!-- STICKY NAVIGATION FUNCTION START -->
<script>
window.onscroll = function() {stickyNavFunction()};
var navigationbar = document.getElementById("sticky_navigation_container");
var stickynavigation = navigationbar.offsetTop;

function stickyNavFunction() {
  if (window.pageYOffset >= stickynavigation) {
    navigationbar.classList.add("sticky_navigation")
  } else {
    navigationbar.classList.remove("sticky_navigation");
  }
}
</script>
<!-- STICKY NAVIGATION FUNCTION END -->
</body>
</html>
```

The CSS Code – Desktop

```

/* SPONSOR A CHILD PAGE - DESKTOP VERSION START */
/* Introduction Section Start */

.sponsor_introduction_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 10px;
}

.si_title_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
}

.si_flex1 {
  background: none;
  width: 100%;
  height: auto;
  padding: 10px;
}

.si_content_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
}

.si_flex2 {
  background: none;
  width: 75%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.si_flex3 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
  align-content: center;
}

/* Introduction Section End */
/* Main Content Section Start */

.sponsor_help_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 10px;
  background-color: #e6e6e6;
}

.sh_flex1 {
  background: none;
  width: 50%;
  height: auto;
  padding: 50px;
  justify-content: center;
  align-items: center;
}

.sub_sh_flex1 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

.sub_sh_flex2 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

.help_number1 {
  padding: 10px;
}

.help_description1 {
  padding: 10px;
}

.help_number2 {
  padding: 10px;
}

.help_description2 {
  padding: 10px;
}

.help_number3 {
  padding: 10px;
}

.help_description3 {
  padding: 10px;
}

.sub_sh_flex3 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

```

```

.sub_sh_flex4 {
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: auto;
}

.sh_flex2 {
  background: none;
  width: 50%;
  height: auto;
  padding: 50px;
  align-content: center;
}

.children_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 50px;
}

.children_container_p {
  padding-left: 20px;
  padding-right: 20px;
  text-align: center;
}

.children_title_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  padding: 0px;
}

.children_flex {
  width: 100%;
  height: auto;
  padding: 0px;
}

.children_content_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: row;
}

.children_flex1 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
}

.children_flex2 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.children_flex3 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.children_flex4 {
  background: none;
  width: 25%;
  height: auto;
  padding: 10px;
  align-content: center;
}

.children_images {
  display: block;
  margin: auto;
  width: 100%;
  height: auto;
  border-radius: 50%;
}

.spread_word_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  background: none;
  padding: 10px;
  background: #e6e6e6;
}

.sw_title_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
}

.sw_flex1 {
  background: none;
  width: 100%;
  height: auto;
  padding: 10px;
  text-align: center;
}

.sw_content_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
  align-content: center;
  justify-content: center;
}

```

```
.sw_content_container a {
  text-decoration: none;
  transition: 0.2s;
}

.sw_content_container a:hover {
  color: #C70638;
  transition: 0.2s;
}

.sw_flex2 {
  background: none;
  width: 10%;
  height: auto;
  padding: 10px;
  align-content: center;
  justify-content: center;
  text-align: center;
}

.sw_flex3 {
  background: none;
  width: 10%;
  height: auto;
  padding: 10px;
  align-content: center;
  justify-content: center;
  text-align: center;
}

.sw_flex4 {
  background: none;
  width: 10%;
  height: auto;
  padding: 10px;
  align-content: center;
  justify-content: center;
  text-align: center;
}

.responsive_sponsor_hr {
  display: none;
}

.shelp_images {
  display: block;
  margin: auto;
  width: 100%;
  height: auto;
}

/* Main Content Section End */
/* SPONSOR A CHILD PAGE - DESKTOP VERSION END */
```

The CSS Code – Mobile

```
/* SPONSOR A CHILD PAGE START */

/* Introduction Section Start */

.si_content_container {
  flex-direction: column;
}

.si_flex2 {
  width: 100%;
  height: auto;
  order: 2;
}

.si_flex3 {
  width: 100%;
  height: auto;
  order: 1;
}

/* Introduction Section End */

/* Main Content Section Start */

.sponsor_help_container {
  flex-direction: column;
}

.sh_flex1 {
  width: 100%;
  height: auto;
  padding: 10px;
  text-align: center;
}

.sub_sh_flex2 {
  flex-direction: column;
  background: none;
}

.help_number1 {
  padding: 0px;
  order: 1; /*ADDED THIS IN BUT TH
}
```

```
.help_number1 h3 { /* Added this in to remove the extra space on the page */
  margin: 0;
}

.help_description1 {
  padding: 0px; /* HAD TO REMOVE PADDING BECAUSE OF BIG SPACE INBETWEEN NUMBERS AND TEXT */
  order: 2;
}

.help_number2 {
  padding: 0px;
}

.help_number2 h3 { /* Added this in to remove the extra space on the page */
  margin: 0;
}

.help_description2 {
  padding: 0px;
}

.help_number3 {
  padding: 0px;
}

.help_number3 h3 { /* Added this in to remove the extra space on the page */
  margin: 0;
}

.help_description3 {
  padding: 0px;
}

.sub_sh_flex3 {
  flex-direction: column;
}

.sub_sh_flex4 {
  flex-direction: column;
}

.sh_flex2 {
  width: 100%;
  height: auto;
  padding: 10px;
}
```

```
.children_container {
  padding: 10px;
}

.children_container p { /* Adding this in to remove padding on paragraph tags */
  padding-left: 0px;
  padding-right: 0px;
}

.children_content_container {
  flex-direction: column;
}

.children_flex1 {
  width: 100%;
  height: auto;
}

.children_flex2 {
  width: 100%;
  height: auto;
}

.children_flex3 {
  width: 100%;
  height: auto;
}

.children_flex4 {
  width: 100%;
  height: auto;
}

.children_images {
  width: 85%;
}

.responsive_sponsor_hr {
  display: block;
  width: 100%;
  height: auto;
  border: 2px solid #00006A;
}

/* Main Content Section End */
/* SPONSOR A CHILD PAGE END */
```

The Final Outcome – Desktop



The Charitable Foundation for the Education of Nepalese Children

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Sponsor a Child

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem. Ut nec dui scelerisque, maximus lorem ac, gravida ex. Aenean turpis diam, tempus non dignissim non, condimentum faucibus leo. Sed quis ullamcorper ante. Integer consequat, risus at tempor maximus, nibbi elit ullamcorper lacus, eget lincidunt mi libero et ligula. Suspendisse imperdiet, turpis in fermentum accumsan, ipsum risus lincidunt lacus, at hendrerit leo ante at nulla. Phasellus scelerisque consectetur odio eget placerat. Interdum et maecanada fames ac ante ipsum gravida in faucibus. Donec ultrices urna et a fermentum ligula maximus et. Cras malesuada varius pulvinar. Duis vel dolor quis est facilisis convallis. Pellentesque viverra quam non ligula volutpat cursus. Mauris quis justo vilae erat congue venenatis.

Aliquam porttitor efficitur tristique. Nullam ut facilisis justo. Phasellus sit amet dictum risus. Vestibulum mattis lacus in magna euismod vulpate. Morbi rutrum, nibh a aliquam varius, turpis mauris lincidunt est, nec vestibulum libero mi sit amet ligula. Curabitur rutrum risus in metus imperdiet, vel maximus ligula condimentum

- 1

 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.
- 2

 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.
- 3

 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris at convallis lorem.



School in 2013

How you can help...



School in 2013

Who this had helped already..



Ashal Pradhan

Ashal became the charity's first sponsored pupil after his father sacrificed his life in the attempt to save that of another. Ashal and his mother, Parbiter, returned to Kathmandu to live with her family, her elder son was sent to live with other family members. As was the case until fairly recently in Nepali history, his mother was unable to read or write herself, therefore Parbiter was unable to support herself or her sons and school for Ashal seemed an unlikely proposition.

Now thanks to a monthly donation to CFENC his education, uniform, stationery, entrance and examination fees are covered and his future is assured.



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Spread the Word



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Address

Watergate Cottage
 10 Watergate
 Goswami
 Wills BN14 8DP

Contact Details

Email | cfenc@btinternet.com
 Telephone | 01234 567890
 Registered UK Charity Number | 0123456789

The Final Outcome – Mobile



Sponsor a Child



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How you can help...

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Who this had helped already...



Ashal Pradhan

Ashal became the charity's first sponsored pupil after his father sacrificed his life in the attempt to save that of another. Ashal and his mother, Parbiter, returned to Kathmandu to live with her family; her elder son was sent to live with other family members. As was the case until fairly recently in Nepal's history, his mother was unable to read or write herself, therefore Parbiter was unable to support herself or her sons and school for Ashal seemed an unlikely proposition.

Now thanks to a monthly donation to CFENC his education, uniform, stationery, entrance and examination fees are covered and his future is assured.



Ashal Pradhan

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Now thanks to a monthly donation to CFENC his education, uniform, stationery, entrance and examination fees are covered and his future is assured.



Spread the Word



Please Note: I have included another document on the page for this project, at this stage, on my personal website which demonstrates the testing process of the website.

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I also used some of my notes from the introductory coding courses I attended at Bath College

I may have also looked at and used some lecture notes

I also used some help and advice from the developers at both 'The ICE Agency' and 'Coullweb'

THIS IS THE END OF THIS DOCUMENT FOR PART 2