

'Home Sweet Home Front' Website Project Y3S2

Development/Programming
Process (Part 4)

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The Third Stage – Making the Website Responsive Continued from the Previous Document

Introduction – Tablet

After having made the majority of the website responsive for mobile, I then decided to make some changes to tablet devices, knowing that the 'Laptop' device in 'Google Chrome' related to my tablet device from past experience. To begin, I integrated the following 'media query' to apply these new styles, implementing the screen width of the 'Laptop' device shown on 'Google Chrome':

Implementing the new 'media query'

```
@media screen and (min-width: 960px) and (max-width: 1024px) {  
}
```

The process of these changes will be able to be seen within this section. Please note that within this section, the code has been organised together for each page with the outcomes also to allow for easier viewing. Please also note that the tool I utilised to capture the images of each page has caused some elements to format in a different way to what was displayed on the screen. To summarise, minor adjustments were made such as reductions in 'padding' as well as assigning 'align-items: center' to improve the current appearance on these sized devices.

The Responsive Navigation Bar of each Page

The 'CSS' Code

```
.hamburger_menu {  
  display: inline-block;  
  cursor: pointer;  
  position: absolute;  
}  
  
.navigation_bar {  
  padding: 0px;  
  margin: 0px;  
}  
  
.bar1, .bar2, .bar3 {  
  width: 35px;  
  height: 5px;  
  background-color: black;  
  border-radius: 30px;  
  transition: 0.2s;  
}  
  
.change .bar1 {  
  -webkit-transform: rotate(-45deg) translate(-9px, 6px);  
  transform: rotate(-45deg) translate(-9px, 6px);  
  background-color: black;  
}  
  
.change .bar2 {opacity: 0;}  
  
.change .bar3 {  
  -webkit-transform: rotate(45deg) translate(-8px, -8px);  
  transform: rotate(45deg) translate(-8px, -8px);  
  background-color: black;  
}  
  
.navigation_bar a {display: none;}  
.navigation_bar li {display: none;}  
.navigation_bar a.icon {  
  float: right;  
  display: block;  
  margin-top: -6px;  
}
```

```
.navigation_bar.responsive {position: relative;}
.navigation_bar.responsive .icon {
  position: absolute;
  right: 0;
  top: 0;
}

.navigation_bar.responsive a {
  float: none;
  display: block;
  text-align: left;
}

#logo_image_new {
  width: 77px;
  height: auto;
  padding: 7px;
  border-radius: none;
}

#navigation_text {
  display: inline-block;
  font-family: 'Montserrat', sans-serif;
  font-weight: 600;
  margin-left: 0px;
  color: black;
}

#responsive_nav_box {
  width: 100%;
  height: auto;
  display: none;
}

#responsive_nav_box li {
  display: block;
  margin-top: auto;
  float: none;
  padding: 0px 0px 0px 0px;
}

.fa.fa-bars {
  display: block;
}
```

```
.navigation_container {
  position: sticky;
  z-index: 1;
  list-style-type: none;
  padding: 0px;
}

.sticky_navigation + .sticky_content {
  padding-top: 0px;
}

.responsive_navigation_content_container {
  display: flex;
  flex-direction: column;
  align-items: center;
  width: 100%;
  height: auto;
}

#logo_image_new {
  display: inline-block;
  width: 100%;
  height: auto;
}

#navigation_text {
  display: inline-block;
  font-family: 'Montserrat', sans-serif;
  color: black;
}
```

The Outcome on the Page



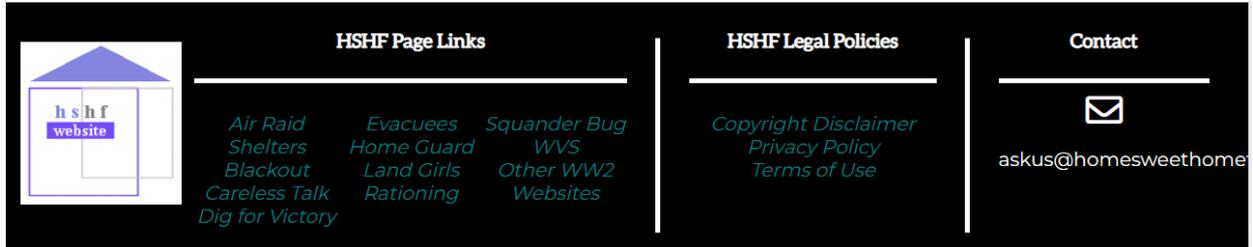
Footer Section of each Page

The 'CSS' Code

```
.fc_logo_container { /* Tr  
  display: flex;  
  align-items: center;  
}
```

Please note that I had created a sub container to ensure that the logo would be centred vertically when applying 'align-items: center' as seen above.

The Outcome on the Page



Each Web Page's 'CSS' Code

Home Page

```
.page_heading_container {
  padding: 50px; /* This will
}

.phc_image_container {
  display: flex;
  align-items: center;
}

/* Home Page Heading Section

.ic_image {
  width: 24%; /* This conta
  height: auto; /* This wil
}

.ic_text {
  width: 76%; /* This conta
  height: auto; /* This wil
}

.image_of_month_container {
  padding: 150px; /* This w
}

/* Home Sweet Home Front Time

.hshf_timeline_container {
  padding: 50px; /* This wi
}

.hshf_tc_event1 {
  display: flex;
  flex-direction: column; /
}

.event1_image_container {
  width: 100%;
  height: auto;
}

.event1_text_container {
  width: 100%;
  height: auto;
}

.hshf_tc_event2 {
  display: flex;
  flex-direction: column;
}

.event2_image_container {
  width: 100%; /* This co
  height: auto;
}

.event2_text_container {
  width: 100%; /* This co
  height: auto;
}
```

The Air Raid Shelters Page

```
.ars_page_heading_container {
  padding: 50px; /* This will
}

/* Air Raid Shelters Heading Se
/* Air Raid Shelters Introducti

.ars_introduction_container {
  padding: 50px; /* This will
}

/* Air Raid Shelters Introducti
/* Air Raid Shelters Anderson S

.anderson_shelter_container {
  padding: 50px; /* This will
}

/* Air Raid Shelters Anderson S
/* Air Raid Shelters Morrison S

.msc_image_container {
  display: flex;
  flex-direction: column;
  width: 50%; /* This contain
  height: auto; /* This will
}

.msc_ic_sub_container1 {
  width: 100%;
  height: auto;
}

.msc_ic_sub_container2 {
  width: 100%;
  height: auto;
}

.msc_image {
  padding-left: 0px;
}

/* Air Raid Shelters Morrison
/* Air Raid Shelters Taking a

.taking_a_chance_container {
  padding: 50px; /* This will
  align-items: center;
}

.tac_image_container {
  width: 40%; /* This contain
  height: auto; /* This will
  padding: 0px;
}

.tac_text_container {
  width: 60%; /* This contain
  height: auto; /* This will
}

/* Air Raid Shelters Taking a
/* Air Raid Shelters Air Raid

.air_raid_sirens_container {
  padding: 30px; /* This will
  align-items: center;
}

.ar_sirens_image_container {
  width: 40%; /* This contain
  height: auto; /* This will
}

.ar_sirens_text_container {
  width: 60%; /* This contain
  height: auto; /* This will
}

.other_shelters_container {
  padding: 50px; /* This will
}
```

The Careless Talk Page

```
.careless_talk_page_heading_container {
  padding: 50px; /* This will help to p
}

/* Carless Talk Heading Section End */

/* New Slogan Section Start */

.new_slogan_container {
  padding: 50px; /* This will help to p
}

/* New Slogan Section End */

/* New Slogan for February 1940 Carousel

.nsc_cc_animation_container {
  padding: 50px;
}

.nsc_cc_nbc_next {
  margin-left: 24px;
}

/* New Slogan for February 1940 Carousel

/* Keep Mum Section Start */

.keep_mum_container {
  padding: 50px; /* This will help to p
}

/* Keep Mum Carousel Section Start */

.kmc_cc_animation_container {
  padding: 50px;
}

.kmc_cc_nbc_next {
  margin-left: 42px;
}
```

The Blackout Page

```
.blackout_page_heading_container {
  padding: 50px; /* This will hel
}

/* Blackout Heading Section End */

/* Blackout Introduction Section St

.blackout_ic_text_container1 {
  padding: 50px;
}

.blackout_ic_text_container2 {
  padding: 50px;
}

/* Blackout Introduction Section En

/* Britain Prepares Section Start */

.britain_prepares_container {
  padding: 50px; /* This will hel
  align-items: center;
}

.bp_images_container {
  width: 50%; /* This container w
  height: auto; /* This will make
}

.bp_text_container {
  width: 50%; /* This container w
  height: auto; /* This will make
}

/* Britain Prepares Section End */

/* Households in the Blackout Secti

.households_blackout_container {
  padding: 50px;
  align-items: center;
}

.hb_image_container {
  padding: 0px;
}

.hb_text_container {
  width: 50%; /* This cont
  height: auto; /* This wa
  padding-left: 20px;
}

/* Households in the Blackou

/* Put out that Light Sectio

.put_out_light_container {
  padding: 50px;
}

/* Put out that Light Sectio

.businesses_container {
  padding: 50px;
}

/* Businesses are Hit Hard S

/* Road Accidents Section St

.road_accidents_container {
  padding: 50px; /* This w
}

/* Road Accidents Section En

/* Crime During the Blackout

.crime_container {
  padding: 50px;
}

.torches_permitted_container {
  padding: 50px; /* This will
}

.tpc_image_container {
  justify-content: center;
}

/* The Using of Torches Permitt

/* Driving in the Blackout Secti

.driving_blackout_container {
  padding: 50px;
  align-items: center;
}

/* Driving in the Blackout Secti

/* Other Posters Section Start */

.other_posters_container {
  padding: 50px;
}

/* Other Posters Section End */

/* A Light Hearted View of the B

.light_hearted_view_container {
  padding: 50px;
}

/* A Light Hearted View of the B

/* Blackout Turns to Dim-Out Sec

.dim-out_container {
  padding: 50px;
}
```

The Dig for Victory Page

```
.dig_page_heading_container {
  padding: 50px; /* This will help to pl
}

/* Dig for Victory Page Heading Section End
/* Dig for Victory Introduction Section Start

.dig_for_victory_introduction_container {
  padding: 50px; /* This will help to pl
}

/* Dig for Victory Examples of Dig for Victory
.dig_for_victory_posters_container {
  padding: 50px; /* This will help to pl
}

/* Dig for Victory Examples of Dig for Victory
/* Dig for Victory 'Doctor Carrot' Section Start
/* Dig for Victory Success of the Campaign Section Start

.carrot_potato_container {
  padding: 50px;
}

/* Dig for Victory 'Doctor Carrot' Section End
/* Dig for Victory 'Potato Pete' Section Start

.potato_pete_quotation_container1 {
  padding: 50px;
}

.potato_pete_quotation_container1 h4 {
  font-size: 30px;
}

.potato_pete_quotation_container2 {
  padding: 50px;
}

.dc_pp_together_container {
  padding: 150px; /* This will help to
  align-items: center;
}

/* Dig for Victory 'Doctor Carrot' Section End
/* Dig for Victory Success of the Campaign Section End

.success_of_campaign_container {
  padding: 50px;
}

.csqc_text_container {
  padding: 50px;
}

/* Dig for Victory Success of the Campaign Section End
/* Dig for Victory End Section Start

.dig_for_victory_end_container {
  padding: 50px;
}
```

The Evacuees Page

```
.evacuees_page_heading_container {
  padding: 50px; /* This will help
}

/* Evacuees Page Heading Section End
/* War Looms on Britain Section Start

.war_looms_main_container {
  padding: 50px;
}

.war_looms_container {
  align-items: center;
}

/* War Looms on Britain Section End
/* The Phoney War and Evacuation Section Start

.phoney_war_evacuation_container {
  padding: 50px; /* This will help
  align-items: center;
}

/* The Phoney War and Evacuation Section End
/* Saying Goodbye to Loved Ones Section Start

.goodbye_main_container {
  padding: 50px; /* This will help
}

/* Saying Goodbye to Loved Ones Section End
/* Government Evacuation Scheme Clothing Required Section Start

.clothing_required_container ul {
  font-size: 18px;
}

.crc_hr_container {
  padding-left: 100px;
  padding-right: 20px;
}

.reception_slave_main_container {
  padding: 50px; /* This will help
}

.reception_slave_container {
  align-items: center;
}

/* Reception Nightmares and the Slave Class Divisions Section Start */

.class_divisions_container {
  padding: 50px; /* This will help
}

/* Class Divisions Section End */

.phoney_war_ends_main_container {
  padding: 50px; /* This will help
}

.phoney_war_ends_container {
  align-items: center;
}

.ttc_hr_container {
  padding-left: 40px;
}

/* Trekking and Trickle Evacuation Section Start
/* Those Leaving the Major Cities to Slaves Section Start

.leaving_major_cities_container {
  padding: 50px;
}

/* Those Leaving the Major Cities to Slaves Section End
/* Britain Begins to Breathe Again Section Start

.britain_begins_breathing_container {
  padding: 50px; /* This will help to
}

/* Britain Begins to Breathe Again Section End
/* Time to Reflect Section Start */

.reflect_container {
  padding: 50px;
  align-items: center;
}
```

The Home Guard Page

```
.home_guard_page_heading_container {
  padding: 50px; /* This will help t
}

/* Home Guard Page Heading Section End

/* Home Guard Introduction Section Sta

.home_guard_introduction_container {
  padding: 50px;
  align-items: center;
}

/* Home Guard Introduction Section End

/* Invasion Fears and the LDV Section

.invasion_ldv_container {
  padding: 50px;
  align-items: center;
}

/* Invasion Fears and the LDV Section

/* LDV Uniforms and Arms Section Start

.ldv_uniforms_arms_container {
  padding: 50px;
}

/* LDV Uniforms and Arms Section End */

/* A Change of Name Section Start */

.change_of_name_container {
  padding: 50px; /* This will help t
}

/* A Change of Name Section End */

/* The Dad's Army Role Section Start */

.army_role_main_container {
  padding: 50px; /* This will help t
}

.gdc_content_wrapper {
  flex-direction: column;
  margin-top: -20px;
}

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

.gdc_cw_hr_container {
  display: none;
}

.gdc_cw_images_container {
  flex-direction: row;
  width: 100%;
  padding: 0;
  order: 2;
}

.gdc_cw_images {
  padding: 10px;
}

/* So what did the Home Guard actually

/* One in the Eye For Hitler and Home

.hitler_home_guard_container {
  padding: 50px;
}

/* One in the Eye For Hitler and Home

/* The Home Guard Grows in Strength Se

.home_guard_strength_main_container {
  padding: 50px; /* This will help t
}

.home_guard_quotation_container1 {
  padding: 50px;
}

.good_things_end_container {
  padding: 50px;
}

/* All Good Things Must Come to

/* Thank You Section Start */

.thank_you_container {
  padding: 50px;
}
```

The Land Girls Page

```
.wla_page_heading_container {
  padding: 50px; /* This will help
}

/* Land Girls Page Heading Section

/* Land Girls Introduction Section

.wla_introduction_container {
  padding: 50px;
  align-items: center;
}

/* Land Girls Introduction Section

/* Origins Section Start */

.origins_container {
  padding: 50px;
}

/* Origins Section End */

/* Work and Conditions Section Start

/* Is Your Journey Necessary? Sect

.work_conditions_main_container {
  padding: 50px; /* This will help
}

.wla_quotation_container1 {
  padding: 50px;
}

/* Is Your Journey Necessary? Sect

/* Work and Conditions Section End

/* Uniforms Section Start */

.uniforms_container {
  padding: 50px;
}

.evenings_out_container {
  padding: 50px; /* This
}
```


The WVS Page

```
.wvs_page_heading_container {
  padding: 50px; /* This will
}

/* WVS Page Heading Section End

/* The WVS - A Brief History Sec

.wvs_brief_history_container {
  padding: 50px; /* This will
}

.wvs_bhc_content_wrapper1 {
  display: flex;
  flex-direction: column;
  align-items: center;
  text-align: center;
}

.wvs_bhc_cw1_19381 {
  width: 150px;
  height: 150px;
  border-radius: 50%;
  padding: 50px;
}

.wvs_bhc_cw1_19382 {
  width: 100%;
  height: auto;
  padding-left: 0px;
}

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

.wvs_bhc_content_wrapper2 {
  display: flex;
  flex-direction: column;
  align-items: center;
  text-align: center;
}

.wvs_bhc_cw2_19391 {
  width: 150px;
  height: 150px;
  border-radius: 50%;
  padding: 50px;
}

.wvs_bhc_cw2_19392 {
  width: 100%;
  height: auto;
  padding-left: 0px;
}

/* The WVS - A Brief History Secti

/* The WVS - Wartime Duties Sectio

.wartime_duties_main_container {
  padding: 50px; /* This will he
}
```

The Other WW2 Links Page

```
.ww2_links_page_heading_container {
  padding: 50px; /* This will help
}

/* Other WW2 Website Links Page Head

/* Important Message Section Start */

.important_message_container {
  padding: 50px; /* This will help
}

/* Important Message Section End */

/* The Actual WW2 Website Links Secti

/* Links 1 Section Start */

.ww2_links_container1 {
  padding: 30px; /* This will help
}

.ww2_links_container2 {
  padding: 30px; /* This will
}

/* Links 2 Section End */

/* The Actual WW2 Website Link

/* We can Give your WW2 Websit

.email_us_container {
  padding: 10px; /* This wil
}

.email_us_container_border {
  padding: 20px;
}

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

.euc_ac_email_container h3 {
  font-size: 40px;
}
```

Each Web Page's Outcome



Much has been written about Britain's Military role in the Second World War. From the Gallies or mounted on tanks to assist in the liberation of towns or the strategic bombing of the enemy's war effort. However, the role of the women who worked in the factories and offices that supported the war effort is less well known. This is the story of the women who worked in the factories and offices that supported the war effort. It is the story of the women who worked in the factories and offices that supported the war effort.




The image displays a grid of website pages for the 'HSHF' website project. The pages are organized into several columns and rows, each representing a different section of the website. The sections include:

- Home Front:** Pages like 'New Restrictions on the Home Front, Britain is Blacked Out', 'Britain is Blacked Out', 'Households in the Blackout', 'Put Out That Light!', 'Businesses are Hit Hard', 'Road Accidents on the Increase', 'Crime During the Blackout!', and 'Driving in the Blackout'.
- Evacuation:** Pages such as 'Evacuation - How it affected ordinary lives', 'War Looms on Britain', 'The Munich Crisis - 1938', 'The Phoney War and Evacuation', 'Saying Goodbye to Loved Ones', 'Reception Nightmares and the Slave Auction', 'Slave Auction', 'Second Method', 'CLASS DIVISIONS', 'Treking and Trickle Evacuation', and 'to Safer Heavens'.
- Women's Land Army (WLA):** Pages including 'Who do you think you are Kidding Mister Hitler? - The Story of the Home Guard', 'Women's Land Army (WLA) - "The Forgotten Army..."', 'Life as a Land Girl', 'Origins', 'Work and Conditions', 'Uniforms', and 'Evenings Out'.
- Home Guard:** Pages like 'The Dad's Army Role' and 'The Home Guard Grows in Strength'.
- Other Sections:** 'Examples of Dig for Victory Posters', 'Doctor Carrot', 'Potato Pete', 'Clothing Required as part of the Government Evacuation Scheme', 'Britain Begins to Breathe Again', 'Time to Reflect', 'Woolton Pie', 'Meat and Poultry', and 'A Light Hearted View of the Blackout'.

The pages feature various text, images, and graphics, including historical photographs, posters, and illustrations. The layout is clean and organized, with clear headings and sub-headings for each section.

The Hardship of Rationing

Introduction

Introduction text describing the hardship of rationing during the war.

Because of the past, the scraps were saved.
Because of the scraps, the pigs were saved.
Because of the pigs, the rations were saved.
Because of the rations, the ships were saved.
Because of the ships, the empire was saved.
And all because of the housewife's part!

The Development of Rationing

Text describing the development of rationing.



Ration Books

Text describing ration books.

Milk and Eggs

Text describing milk and egg rationing.

Weekly Allowance

- 3 pints of milk
- 1 egg or 1 packet of dried eggs every 2 months
- 2 oz cheese
- 4 oz bacon and ham
- 2 oz fat
- 8 oz sugar
- 2 oz cooking fat

18 points a month for other rationed foods (amounts limited subject to availability)

Clothes Rationing

Text describing clothes rationing.

| Quantity | Quality |
|--------------------|--------------------|
| 1 pair of trousers | 1 pair of trousers |
| 1 pair of shorts | 1 pair of shorts |
| 1 pair of socks | 1 pair of socks |
| 1 pair of shoes | 1 pair of shoes |

What Clothing Cost in terms of Coupons

| Item | Cost |
|--------------------|------------|
| 1 pair of trousers | 10 coupons |
| 1 pair of shorts | 5 coupons |
| 1 pair of socks | 2 coupons |
| 1 pair of shoes | 15 coupons |

Making Do

Text describing making do.

Other Forms of Rationing

Text describing other forms of rationing.

Petrol Rationing

Text describing petrol rationing.

Cosmetics Rationing

Text describing cosmetics rationing.

Beware the SQUANDER Bug!

Introduction

Introduction text for the Squander Bug.

"If you are only eating what you need and not what you like and as much as you like, then you are helping to win the war!"

Squander Reminder Posters



Is Your Journey Really Necessary?



"You wonder why we make a fuss if George decides to take a bus but look again and you will see that George aint all be. He's only got a step to go, a couple hundred yards or so while others further down the queue have far to go and lots. When George gets on we often find that other folk got left behind. He pays his fare and rides the stage and off he hops and see the rage and seeing this gives George a jog. 'Perhaps I'm Just a Transport Hog'"

Making Do

Text describing making do.

- Making wartime SWEATERS from old hanks and coils
- Supplementing a shortage of CLEANING MATERIALS by mending egg shells for use as a scouring compound and cutting squares out of old stockings for use as daboths
- Using the dregs of cold WOODWORK
- Washing the soles of CHILDREN'S SHOES to prolong the foot-wear life
- Cutting up old Mackintoshes to make BIBS for babies.



The unsung heroines of The Women's Voluntary Service

Introduction

Introduction text for the Women's Voluntary Service.

The WVS – A Brief History

Text describing the history of the WVS.

The WVS – Wartime Duties

- Organising Salvage Collections ✓
- Harvesting of Rosehips ✓
- Housewives Service ✓
- Information Centres ✓
- Canteens ✓
- Looking after the Older Generations ✓
- Re-Homing Gift Scheme ✓
- Re-Homing ✓
- Evacuation of Children ✓
- Food Leaders ✓
- Civil Defence Support ✓
- Children's Toy Exchanges ✓
- Distribution of Leaflets ✓

Links to Other Second World War Websites

Important!

Text describing the importance of the links.

The Bath Blitz

Text describing the Bath Blitz.



RRC1 – History

Text describing RRC1 history.



Hullwebs History of Hull

Text describing Hullwebs history.



Imperial War Museums

Text describing Imperial War Museums.



unfamily History Research

Text describing unfamily history research.

We can Give your WW2 Website a Mention, just E-mail Us!

Text describing the email service.

askus@homesweethomefront.co.uk

The Fourth Stage – Adding more Functionality

Introduction

As I wanted and needed to make the website more interactive, this involved integrating areas relating to both 'JavaScript' and 'jQuery' to allow for this. Some of this had already been attempted but this section will show both the process and problems experienced regarding adding functionality to the website.

The 'JavaScript' Code for the Responsive Navigation Menu

As already explained, I integrated the navigation/responsive navigation menu from a previous project. Although this had been previously shown, this section will explain about how the 'JavaScript' code functioned:

The JavaScript Code for the Responsive Navigation Menu

```
<div class="hamburger_menu" onclick="hamburgerFunction(this)">
  <div class="bar1"></div>
  <div class="bar2"></div>
  <div class="bar3"></div>
</div>

<script>
function hamburgerFunction(x) {
  x.classList.toggle("change");
  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";
    x.style.height = "350px";
    x.style.overflow = "scroll";
  }
}
</script>
```

The first highlighted aspect triggers a function to be executed when selecting the container called 'hamburger_menu'. This function is defined below this and is called 'hamburgerFunction'. Within this function, the container/element with the 'ID' of 'responsive_nav_box' will be collected. Before this the 'x.classList.toggle("change")' relates to applying a 'class' called 'change'. This relates to the three bars of the hamburger menu animating through the styles within the 'CSS' file as shown before in the third stage. Furthermore, after collecting the 'ID', an 'if' and 'else' statement would be executed. The main aspect to take from this is the fact that if the 'responsive_nav_box' was set at 'display: block', when selecting the 'hamburger_menu' container, this would change to not display the menu through 'display: none'. Otherwise, if the 'responsive_nav_box' was set to 'display: none', this would change to display the menu through 'display: block'. Please note that at a later stage, the code not required was removed from the project.

Solving the Issue with the Collapsible

At this current time, I currently had the following issue with the fact that a background colour would appear when selecting a collapsible on the 'WVS' page.

The Issue with the Background Colour Appearing when Selecting a Collapsible



From using 'DevTools' on 'Google Chrome', I then realised that there was a 'class' created in the 'CSS' stylesheet which meant I then believed I could change the 'class' name to another name so this wouldn't happen again:

Understanding that an Existing 'class' name was Applying when Selecting the Collapsible



As stated before, I first thought I could change the 'class' name but I then realised that I only needed to remove the line of code causing the 'class' to become active when selecting a section:

The Approach Undertaken Before Removing the Code – Changing the 'class' Name

```
<script>
var wvsWartimeDuties = document.getElementsByClassName('collapsible_button_container');
var i;

for (i = 0; i < wvsWartimeDuties.length; i++) {
  wvsWartimeDuties[i].addEventListener("click", function() {
    this.classList.toggle("active2");
    this.classList.add("fadeInDown");
    var content = this.nextElementSibling;
    if (content.style.display === "flex") {
      content.style.display = "none";
    } else {
      content.style.display = "flex";
    }
  });
}
</script>
```

Removing the Code Altogether after the Initial thought

```
<script>
var wvsWartimeDuties = document.getElementsByClassName('collapsible_button_container');
var i;

for (i = 0; i < wvsWartimeDuties.length; i++) {
  wvsWartimeDuties[i].addEventListener("click", function() {
    var content = this.nextElementSibling;
    if (content.style.display === "flex") {
      content.style.display = "none";
    } else {
      content.style.display = "flex";
    }
  });
}
</script>
```

The Outcome on the Page – Before and After Selecting the Collapsible



After solving the previous issue, I then decided to attempt to make the change in icon I had applied animate. So therefore, I researched this as previously, I had tried to implement an 'animate.css' element but this didn't work as will be seen below:

The Process Before when Adding in an 'animate.css' Element

```
this.classList.add("fadeInDown");
```

Whilst trying another approach to animate the icon, I was finding it difficult to make the icon appear and have an animation applied to this at the same time:

The Current Code

```
<script>
$(".wvs_wartime_duties").click(function(){
  $(this).find("i").toggleClass("fa-caret-square-up").toggleClass("rotation");
});
</script>
```

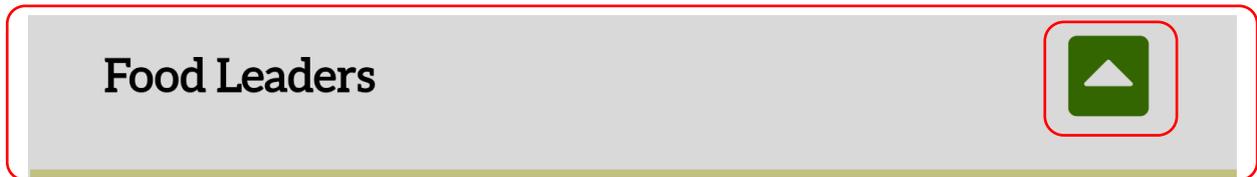
As is evident above, I had implemented 'jQuery' code discovered online, selecting all elements with a 'class' name of 'wvs_wartime_duties'. This would then find all 'i' elements inside these 'classes', applying both a new 'Font Awesome' icon and animation through 'toggleClass'. However, as mentioned before, this didn't apply both aspects but only one.

I then believed that I could apply the rotation to the function where selecting a section would cause a collapsible to appear with the icon rotating. However, this didn't work as this only worked when selecting the container and not the button itself as is displayed below:

Applying the Animation to the Function and Referencing the Animation within the CSS Code

```
.animation {  
  -webkit-animation-name: collapsible;  
  -webkit-animation-duration: 1.5s;  
  animation-name: collapsible;  
  animation-duration: 1.5s;  
}  
  
.animation i {  
  transform: rotate(180deg);  
  transition: 0.5s;  
}
```

The Outcome on the Page – The Icon Only Rotated when Selecting the Container and not the Icon Itself



After undertaking the previous attempt, I then realised that because I was applying the new icon and rotation to the 'jQuery' code, this had no effect as the new icon would be rotated 180 degrees, creating the same outcome as before. I therefore reverted back to the following where I only applied the rotation animation:

Applying Only the Animation to the jQuery Code

```
<script>  
  $("button").click(function(){  
    $(this).find("i").toggleClass("rotation");  
  });  
</script>
```

The Outcome - Before Selecting the Button



The Outcome – After Selecting the Button

Information Centres



The Outcome – After Selecting the Button Again

Information Centres



After having now allowed the icon to rotate again, I then tried to make the information aspect only show when selecting the buttons, applying the following found from research. However, this didn't work as is evident below:

Applying an 'ID' to the Main Collapsible Button Container called 'icons'

```
<div class="collapsible_button_container" id="icons">
  <div class="cbc_title_container">
    <h3>Distribution of Leaflets</h3>
  </div>
  <div class="cbc_icon_container">
    <button class="wvs_wartime_duties"><i class="fas fa-caret-square-down"></i></button>
  </div>
</div>
```

Adding 'document.getElementById' and 'getElementsByClassName' to Select the 'class' name within the Newly Created 'ID'

```
<script>
var wvsWartimeDuties = document.getElementById('icons').getElementsByClassName('cbc_icon_container');
var i;

for (i = 0; i < wvsWartimeDuties.length; i++) {
  wvsWartimeDuties[i].addEventListener("click", function() {
    this.classList.toggle("animation");
    var content = this.nextElementSibling;
    if (content.style.display === "flex") {
      content.style.display = "none";
      content.style.maxHeight = null;
    } else {
      content.style.display = "flex";
      content.style.maxHeight = content.scrollHeight + "px";
    }
  });
}
</script>
```

The Outcome on the Web Page – The Animation Aspect Applied but Didn't Cause the Collapsible to Open

Distribution of Leaflets



As I had now integrated code from 'W3Schools' to help with creating a smooth animation effect when selecting a collapsible, the code was now appearing as shown below:

The Current JavaScript and jQuery Code

```
<script>
var wvsWartimeDuties = document.getElementsByClassName('collapsible_button_container');
var i;

for (i = 0; i < wvsWartimeDuties.length; i++) {
  wvsWartimeDuties[i].addEventListener("click", function() {
    this.classList.toggle("animation");
    var content = this.nextElementSibling;
    if (content.style.display === "flex") {
      content.style.maxHeight = null;
    } else {
      content.style.display = "flex";
      content.style.maxHeight = content.scrollHeight + "px";
    }
  });
}
</script>

<script>
$("button").click(function(){
  $(this).find("i").toggleClass("rotation");
});
</script>
```

The Current CSS Code Relating to the Functionality

```
.rotation {
  transform: rotate(180deg);
  transition: 0.5s;
}
```

```
.animation {
  -webkit-animation-name: collapsible;
  -webkit-animation-duration: 1.5s;
  animation-name: collapsible;
  animation-duration: 1.5s;
  background-color: #008080;
}
```

```
@-webkit-keyframes collapsible {
  from {opacity: 0;}
  to {opacity: 1;}
}

@keyframes collapsible {
  from {opacity: 0;}
  to {opacity: 1;}
}
```

As is evident above, at this stage, after collecting the 'class' called 'collapsible_button_container', when selecting elements with this 'class', 'animation' would be applied whereby the background colour would change in opacity. Furthermore, an 'if' and 'else' statement would cause the height of the container with the content to adjust when selecting elements with 'collapsible_button_container' with 'animation' causing a smooth transition effect. Furthermore, as displayed before, the 'rotation' class related to rotating the icon when selecting this through the 'jQuery' function. At this moment in time, this worked when opening the collapsible for the first time but when trying to open this again, this didn't open again as will be seen on the following page.

The Current Issue – Opening and Closing the Collapsible



The Current Issue – Attempting to Open the Collapsible Again (This Didn't Work)



After then viewing the 'W3Schools' website to understand how I could resolve this, I then changed the styles for the 'collapsible_content_container' 'class' as well as the 'JavaScript' code:

Altering the 'if' and 'else' Statement of the JavaScript Code

```
<script>
var wvsWartimeDuties = document.getElementsByClassName('collapsible_button_container');
var i;

for (i = 0; i < wvsWartimeDuties.length; i++) {
  wvsWartimeDuties[i].addEventListener("click", function() {
    this.classList.toggle("animation");
    var content = this.nextElementSibling;
    if (content.style.maxHeight) {
      content.style.maxHeight = null;
    } else {
      content.style.maxHeight = content.scrollHeight + "px";
      content.style.width = "100%";
      content.style.height = "auto";
    }
  });
}
</script>

<script>

$("button").click(function(){
  $(this).find("i").toggleClass("rotation");
});

</script>
```

Altering the Styles for the 'collapsible_content_container' 'class'

```
.collapsible_content_container {
  flex-direction: column;
  margin: auto;
  background-color: #C0C080;
  max-height: 0;
  overflow: hidden;
  transition: max-height 1s ease-out;
}

.ccc_padding_container {
  display: flex;
  flex-direction: column;
  width: 100%;
  height: auto;
  padding: 60px;
}
```

As will have been evident above, I also needed to create a new container called 'ccc_padding_container' to add 'padding' as this was having an impact when applying this to the 'collapsible_content_container' before, as seen with the example provided on the following page.

Adding the new Container to the HTML Code

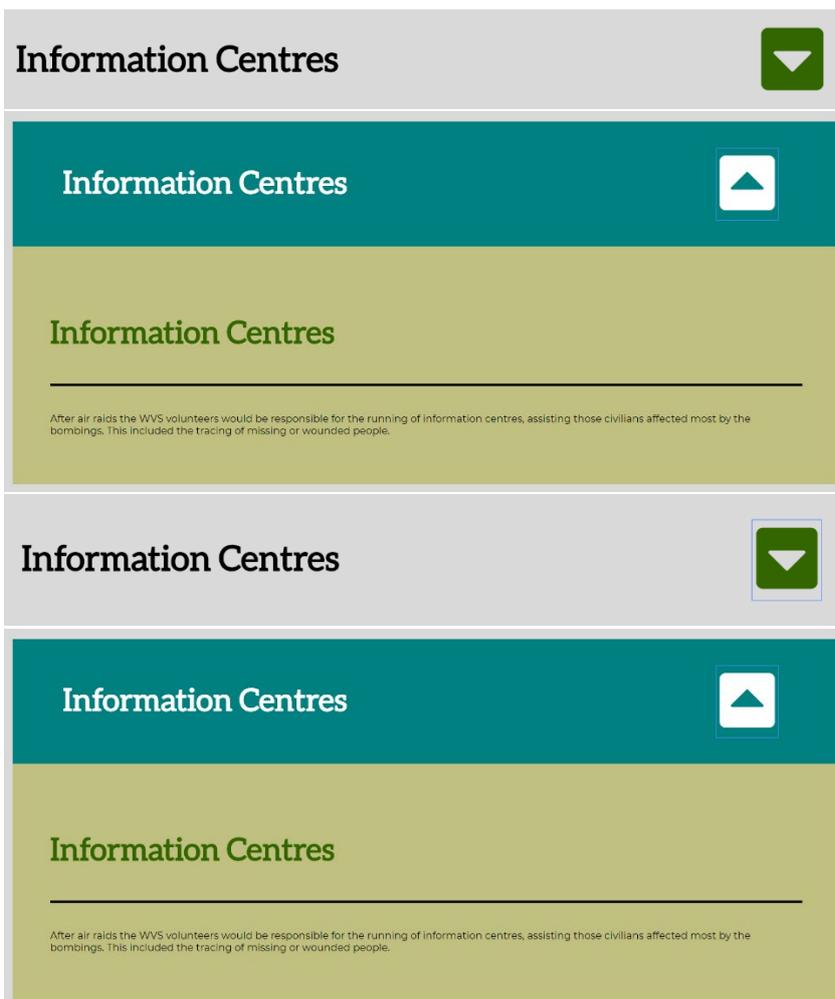
```
<div class="collapsible_content_container">
  <div class="ccc_padding_container">
    <div class="ccc_text_container">
      <h3>Distribution of Leaflets</h3>
      <hr>
      <br>
      <p>The WVS produced and distributed in
    </div>
  </div>
</div>
```

The Issue Before when Applying 'padding' to the 'collapsible_content_container' – Some of the Content was Hidden



Now, both of the issues mentioned previously had been resolved with being able to open and close each collapsible several times without issues and being able to view all content. An example of this can be viewed below. Please note that some styles had changed when capturing the images below:

The Outcome – The Problems were now Resolved



'HSHF' Website Project (Y3S2) Development Process Document (Part 4) – Daniel Wilkins

I then applied the same to the other sections on this page, as was evident with the later example shown above. I now needed to solve the issue regarding only allowing the collapsible elements to open when selecting each icon/button. However, due to the fact that I couldn't apply any code that would help to make this function correctly, I therefore decided to leave this aspect as the user could still open and close the collapsible elements. The final code for this aspect can be viewed below:

An Example of One of the Sections – HTML and JavaScript/jQuery Code

```
<div class="collapsible_button_container">
  <div class="cbc_title_container">
    <h3>Distribution of Leaflets</h3>
  </div>
  <div class="cbc_icon_container">
    <button class="wvs_wartime_duties"><i class="fas fa-caret-square-down"></i></button>
  </div>
</div>
<div class="collapsible_content_container">
  <div class="ccc_padding_container">
    <div class="ccc_text_container">
      <h3>Distribution of Leaflets</h3>
      <hr>
      <br>
      <p>The WVS produced and distributed information leaflets. One such leaflet was t
    </div>
  </div>
</div>
</div>
```

```
<script>
var wvsWartimeDuties = document.getElementsByClassName('collapsible_button_container');
var i;

for (i = 0; i < wvsWartimeDuties.length; i++) {
  wvsWartimeDuties[i].addEventListener("click", function() {
    this.classList.toggle("animation");
    var content = this.nextElementSibling;
    if (content.style.maxHeight) {
      content.style.maxHeight = null;
    } else {
      content.style.maxHeight = content.scrollHeight + "px";
      content.style.width = "100%";
      content.style.height = "auto";
    }
  });
}
</script>

<script>

$("button").click(function(){
  $(this).find("i").toggleClass("rotation");
});

</script>
```


Please note at a later date, after having allowed for the animation to apply between stylesheets for the 'Blackout Theme Switch', I then applied the same to have an animation apply to the icons for each collapsible element for this section. This was utilising 'jQuery' code with Booleans, as explained for the 'Blackout Theme Switch' later. This would help rotate the icons when opening and closing the collapsible elements, creating a better appearance. The code for this can be seen below:

The jQuery Code and the CSS Animation Code

```
<script>
  let wvsIcon = true;
  $('.fa-caret-square-down').click(function() {
    if(wvsIcon) {
      $(this).removeClass("rotation2");
      $(this).addClass("rotation");
      wvsIcon = false;
    } else {
      $(this).removeClass("rotation");
      $(this).addClass("rotation2");
      wvsIcon = true;
    }
  });
</script>
```

```
.rotation {
  transform: rotate(180deg);
  transition: 0.5s;
}

.rotation2 {
  transform: rotate(0deg);
  transition: 0.5s;
}
```

This now signified the end of this task. The outcome has been displayed previously in this section.

Adding the 'Blackout Theme Switch' Functionality

As this was an area which would require the most complex process due to the fact that this would require changing the colours of all elements on the page to black and white whilst also changing others to other suitable colours. This would also then need to switch back again. I therefore undertook research to attempt to do this. From this, I realised that utilising 'SASS' would be an area which would help with this. Therefore, I downloaded this initially. However, because I would be new to this area and because I may have needed to adapt the project to suit this, I therefore decided to explore another approach instead. This related to utilising 'jQuery' to toggle between stylesheets with another stylesheet being created to change the styles for the 'Blackout' page. This process can be viewed below:

Adding the jQuery Code to Allow for Toggling between Stylesheets

```
<script>
$( "button" ).click(function(){
    $( "link[rel=stylesheet]" ).attr({href: "../styles/stylesheet2.css"});
});
</script>
```

Adding a Button for Testing Purposes Surrounding the Icon

```
<div class="blackout_phc_switch_container">
  <p><b>BLACKOUT THEME</b></p>
  <button><i class="fas fa-toggle-off"></i></button>
  <hr>
</div>
```

Examples of Changing Some of the Styles in the Newly Created Stylesheet (Colours)

```
.blackout_ic_text_container1 {
  width: 50%; /* This container
  height: auto; /* This will ma
  background-color: #000000;
  color: white;
  padding: 100px;
}

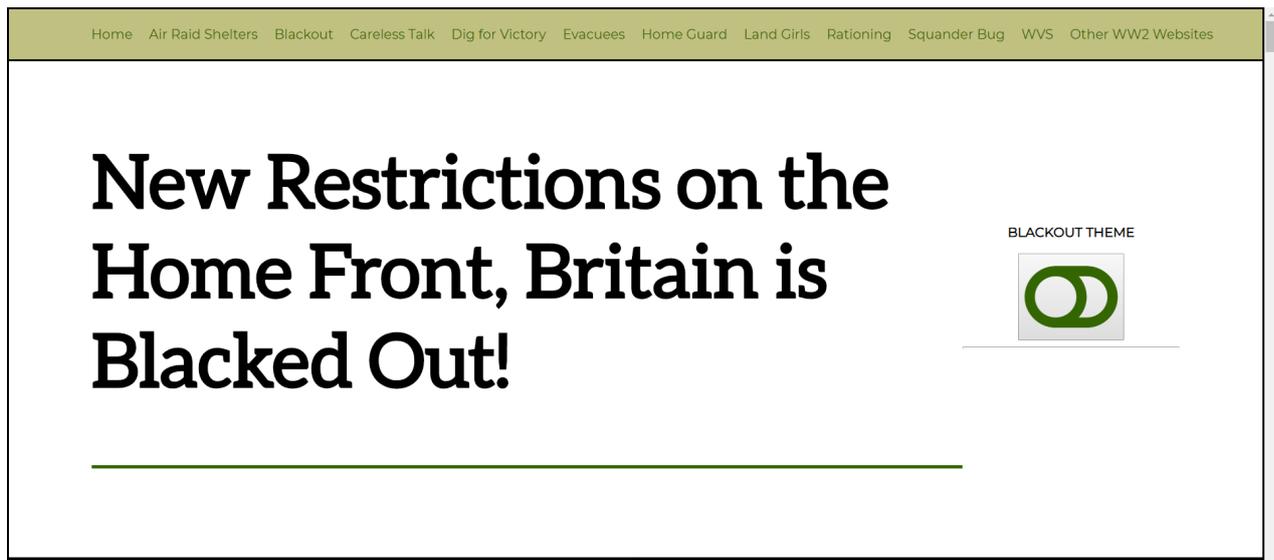
.businesses_container {
  display: flex;
  flex-direction: column;
  width: 100%;
  height: auto;
  padding: 100px;
  background-color: #000000;
  color: #FFFFFF;
}

.crime_container {
  display: flex;
  flex-direction: column;
  width: 100%;
  height: auto;
  padding: 100px;
  color: #FFFFFF;
  background-color: #000000;
}

.blackout_quotation_container1 {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
  padding: 100px;
  background-color: #D9D9D9;
  color: #000000;
  border: 40px solid #FFFFFF;
  margin-top: 20px;
}
```

As can be seen above, the 'jQuery' code would collect all elements that were buttons and when selecting these buttons, this would cause the stylesheet to change, changing the colours as seen with the examples above. This worked, however, the 'Google Fonts' weren't being applied which was an issue to resolve as will be seen on the following page.

The Page Before Selecting the Button



The Page After Selecting the Button – This was Successful but the 'Google Fonts' Didn't Apply



I then needed to attempt to solve the issue with the 'Google Fonts'. To begin, I thought that applying a 'variable', as done with other aspects would help. However, this didn't as will be seen below:

Applying a 'variable' to the 'header.php' File and Referencing this in the 'hshf_blackout_pg.php' File

```
<link href="<?php echo $googlefonts ?>">
```

```
$googlefonts = "https://fonts.googleapis.com/css?family=Aleo|Montserrat|Special+Elite rel='stylesheet'";
```

The Outcome of this on the Page – This Caused no 'Google Fonts' to Appear Before and After Selecting the Button



I then analysed the other stylesheet link within the 'header.php' file, removing the 'rel="stylesheet"' within the 'hshf_blackout_pg.php' and placing this into the 'header.php' file. This then resolved the issue before selecting the button:

Adding the 'rel="stylesheet"' to the 'header.php' File

```
$googlefonts = "https://fonts.googleapis.com/css?family=Aleo|Montserrat|Special+Elite";
```

```
<link href="<?php echo $googlefonts ?>" rel="stylesheet">
```

The Outcome on the Page – This Resolved the Issue Before Selecting the Button



I firstly tried adding another stylesheet aspect which would be unique for the 'Blackout' page as seen below. This was because I believed that this would help to relate to the second created stylesheet. However, this was unsuccessful:

Adding another Stylesheet Link to the 'header.php' and 'hshf_blackout_pg.php' Files

```
$google_fonts = "https://fonts.googleapis.com/css?family=Aleo|Montserrat|Special+Elite";  
$blackout_google_fonts = "https://fonts.googleapis.com/css?family=Aleo|Montserrat|Special+Elite";
```

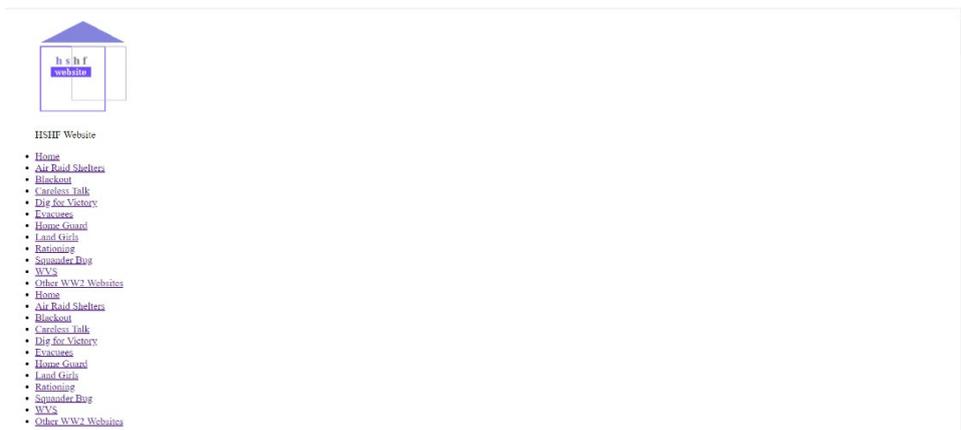
```
<link href="<?php echo $google_fonts ?>" rel="stylesheet"> <!-- APPLY  
<link href="<?php echo $blackout_google_fonts ?>" rel="stylesheet2">
```

I then tried adding another aspect to the 'jQuery' code to allow for the 'Google Fonts' to be displayed. This, however, was also unsuccessful:

Adding another Stylesheet Link to the jQuery Code (I added in the Missing Semicolon)

```
<script>  
$("button").click(function(){  
  $("link[rel=stylesheet]").attr({href: "../styles/stylesheet2.css"});  
  $("link[rel=stylesheet]").attr({href: "https://fonts.googleapis.com/css?family=Aleo|Montserrat|Special+Elite"});  
});  
</script>
```

The Outcome of this on the Page – This Caused the Stylesheet not to Apply After Selecting the Button



After having integrated the following function, I then realised this caused the web page to stop working which meant I needed to find another method. I then understood that I could implement 'Google Fonts' into the stylesheet through '@import' as will be seen below:

Integrating the Function to Cause 'Google Fonts' to be Loaded

```
<script>
$( "button" ).click( function addGoogleFont( FontName ) {
  $( "link[rel=stylesheet]" ).attr( { href: "../styles/stylesheet2.css" } );
  $( "head" ).append( "<link href='https://fonts.googleapis.com/css?family=" + FontName + "' rel='stylesheet' type='text/css'>" );
  addGoogleFont( "Aleo" );
} );
</script>
```

The Outcome on the Page – This Caused the Web Page to Stop Working After Selecting the Button



Utilising the '@import' Aspect to Import the 'Google Fonts' into the Stylesheet

```
@import url('https://fonts.googleapis.com/css?family=Aleo');
```

However, this also didn't work and after struggling with this aspect, I then integrated the following code back into the function which would update the 'body' with the relevant fonts:

Integrating Code into the jQuery Function

```
<script>
$( "button" ).click( function() {
  $( "link[rel=stylesheet]" ).attr( { href: "../styles/stylesheet2.css" } );
  $( 'body' ).append( "<link href='https://fonts.googleapis.com/css?family=Aleo|Montserrat|Special+Elite' rel='stylesheet'>" );
} );
</script>
```

The Outcome on the Web Page – This now Successfully Worked



After having now managed to get this aspect to successfully function, I then needed to remove the button and apply an animation to the switch as well as allowing users to switch back to the original colour scheme. I first of all integrated the following code:

Integrating Code for the jQuery Function

```
<script>
$( "button" ).click( function() {
var isOff = $( "link[rel=stylesheet]" ).attr( { href: "../styles/stylesheets2.css" } );
$( "link[rel=stylesheet]" ).attr( { href: "../styles/stylesheets2.css" } ).get( 0 ).disabled = !isOff;
$( "link[rel=stylesheet]" ).attr( { href: "../styles/stylesheets.css" } );
$( "link[rel=stylesheet]" ).attr( { href: "../styles/stylesheets.css" } );
$( "body" ).append( "<link href='https://fonts.googleapis.com/css?family=Aleo|Montserrat|Special+Elite' rel='stylesheet'>" );
});
</script>
```

As can be seen above, I thought this would help to switch between stylesheets when selecting the button aspect. However, this didn't work which meant I then undertook further research in order to produce the required outcome.

After undertaking research, I then integrated the following code which would toggle between stylesheets through the use of a 'class':

Integrating the jQuery Code to Toggle Between Stylesheets

```
<script>
let test = true;
$('button').click(function() {
  if(test) {
    $('link.sty').attr("href","../styles/stylesheet.css");
    test = false;
  } else {
    $('link.sty').attr("href","../styles/stylesheet2.css");
    test = true;
  }
});
</script>
```

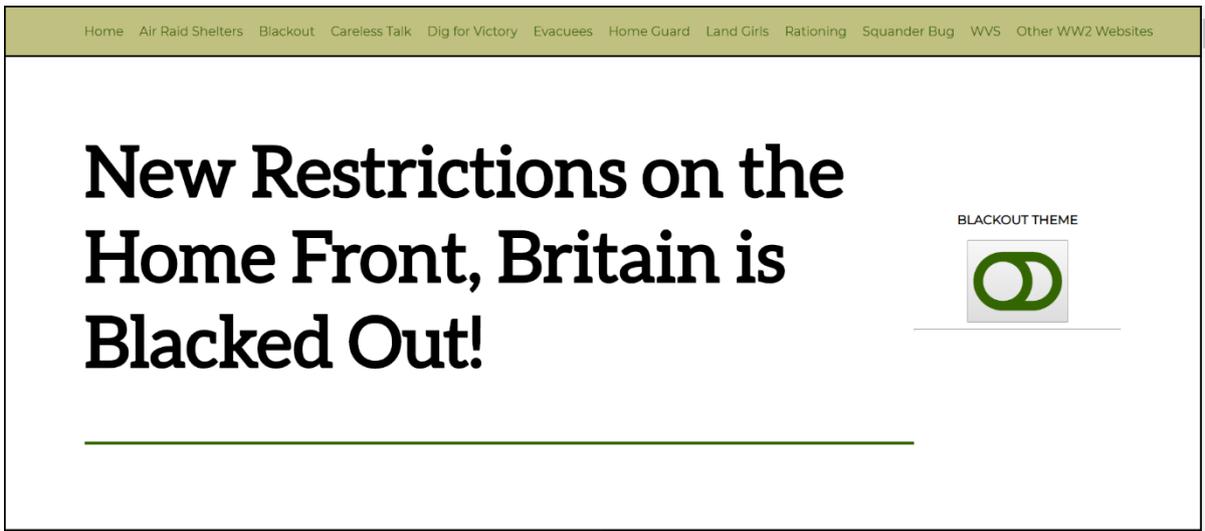
As is evident above, the use of 'Booleans' helped to toggle between the stylesheets. To ensure that this worked, I needed to apply 'variables' for the stylesheets contained in the 'header.php' file, placing the first stylesheet last in order for these styles to load first before selecting the button. This can be seen below:

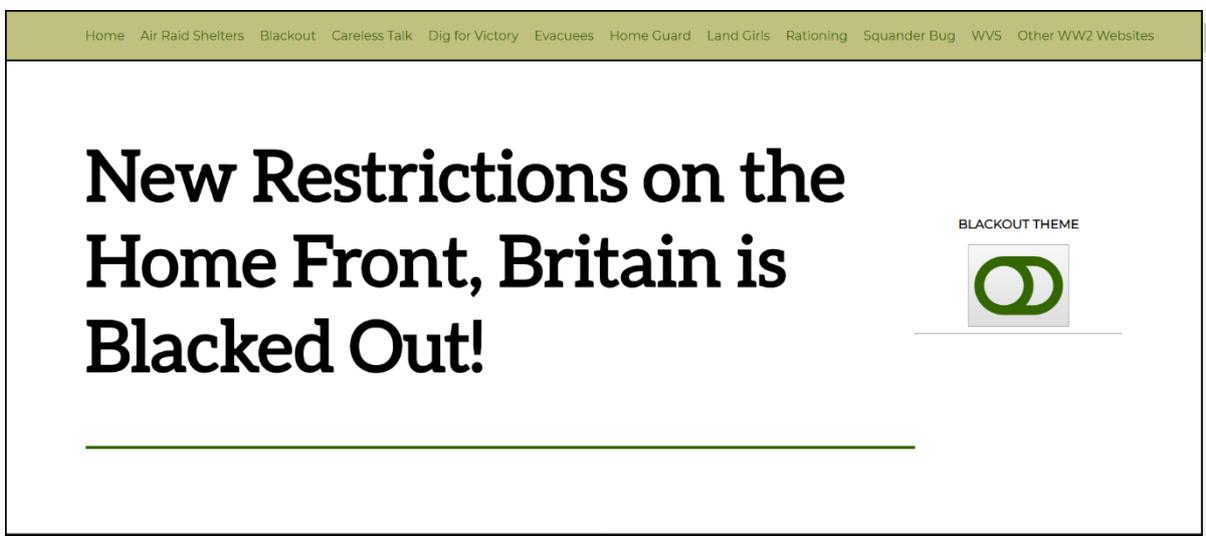
Applying the Stylesheets in the Correct Order Whilst also Applying the 'class'

```
<link rel="stylesheet" href="<?php echo $stylesheet2 ?>" class="sty">
<link rel="stylesheet" href="<?php echo $stylesheet ?>" class="sty">

$stylesheet2 = "../styles/stylesheet2.css";
$stylesheet = "../styles/stylesheet.css";
```

The Outcome on the Page – Before Selecting the Button, Selecting the Button Once and then Selecting the Button Again





After successfully completing the previous aspect, I now needed to apply a transition to create a fading effect when selecting the button. I had managed to get this to work for the initial stylesheet but the second stylesheet wouldn't apply. I did this by applying 'toggleClass' to apply the 'blackout_switch_fade' 'class' which had a 'CSS3' animation applied to it:

Adding 'toggleClass'

```
<script>
let test = true;
$('button').click(function() {
  if(test) {
    $('link.sty').attr("href","../styles/stylesheet.css");
    $('body').toggleClass("blackout_switch_fade");
    test = false;
  } else {
    $('link.sty').attr("href","../styles/stylesheet2.css");
    $('body').toggleClass("blackout_switch_fade");
    test = true;
  }
});
</script>
```

The CSS 'class' with the Assigned Animation

```
.blackout_switch_fade {  
  -webkit-animation-name: fade_switch;  
  -webkit-animation-duration: 1s;  
  animation-name: fade_switch;  
  animation-duration: 1s;  
}  
  
@-webkit-keyframes fade_switch {  
  from {opacity: 0;}  
  to {opacity: 1}  
}  
  
@keyframes fade_switch {  
  from {opacity: 0;}  
  to {opacity: 1}  
}
```

After exploring different areas such as 'addClass' and 'removeClass', this still wasn't working. However, I then thought that adding individual 'classes' to each changed stylesheet would help as well as including styles for both in each stylesheet. This was because I believed that when applying 'removeClass', it couldn't find the 'class' to remove as this wasn't in the stylesheet. After testing, this then successfully worked. The changed code can be seen below:

The Altered jQuery Code

```
<script>  
let themeSwitch = true;  
$('button').click(function() {  
  if(themeSwitch) {  
    $('link.sty').attr("href","../styles/stylesheet.css");  
    $('body').removeClass('blackout_switch_fade2');  
    $('body').addClass('blackout_switch_fade');  
    themeSwitch = false;  
  } else {  
    $('link.sty').attr("href","../styles/stylesheet2.css");  
    $('body').removeClass('blackout_switch_fade');  
    $('body').addClass('blackout_switch_fade2');  
    themeSwitch = true;  
  }  
});  
</script>
```

The Altered CSS Code

```
.blackout_switch_fade {  
  -webkit-animation-name: fade_switch;  
  -webkit-animation-duration: 1s;  
  animation-name: fade_switch;  
  animation-duration: 1s;  
}  
  
@-webkit-keyframes fade_switch {  
  from {opacity: 0;}  
  to {opacity: 1}  
}  
  
@keyframes fade_switch {  
  from {opacity: 0;}  
  to {opacity: 1}  
}  
  
.blackout_switch_fade2 {  
  -webkit-animation-name: fade_switch_two;  
  -webkit-animation-duration: 1s;  
  animation-name: fade_switch_two;  
  animation-duration: 1s;  
}  
  
@-webkit-keyframes fade_switch_two {  
  from {opacity: 0;}  
  to {opacity: 1}  
}  
  
@keyframes fade_switch_two {  
  from {opacity: 0;}  
  to {opacity: 1}  
}
```

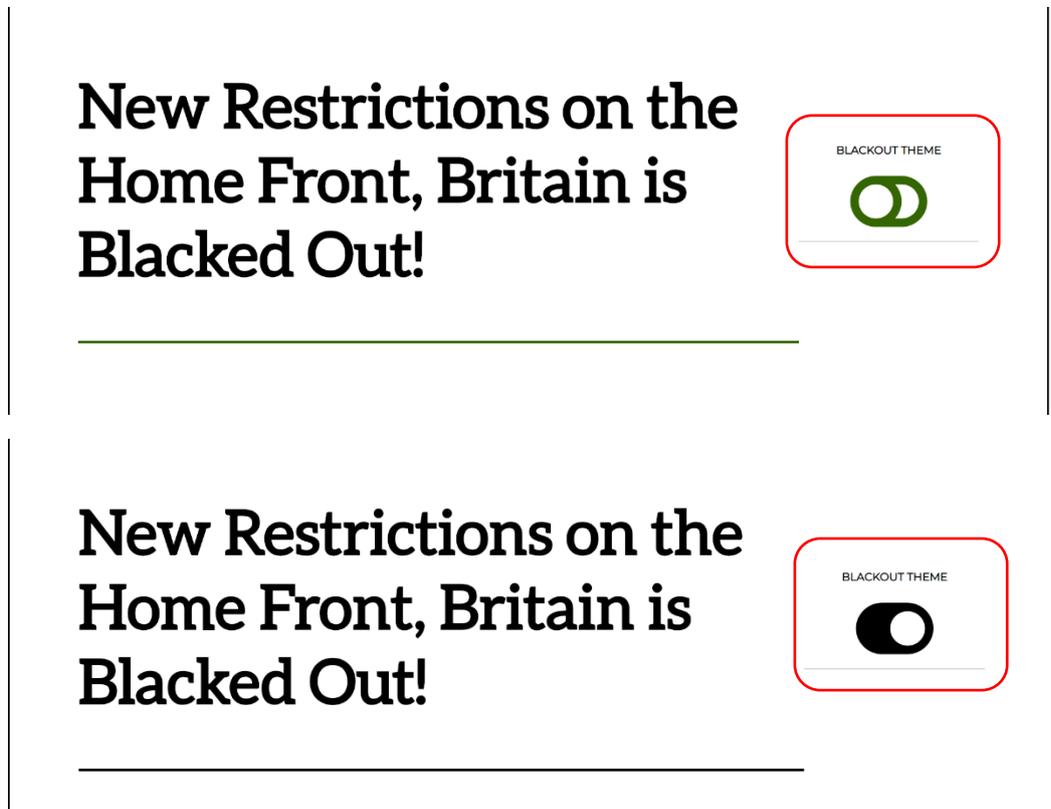
After realising this had now worked, I now applied the same aspects of 'removeClass' and 'addClass' to change the icon, acting as a switch:

Applying the Same Method to the Icon

```
<script>
let themeSwitch = true;
$('.fa-toggle-off').click(function() {
  if(themeSwitch) {
    $('link.sty').attr("href","../styles/styleSheet.css");
    $('body').removeClass('blackout_switch_fade2');
    $('body').addClass('blackout_switch_fade');
    $('#toggle_icon_switch').removeClass('fa-toggle-on');
    $('#toggle_icon_switch').addClass('fa-toggle-off');
    themeSwitch = false;
  } else {
    $('link.sty').attr("href","../styles/styleSheet2.css");
    $('body').removeClass('blackout_switch_fade');
    $('body').addClass('blackout_switch_fade2');
    $('#toggle_icon_switch').removeClass('fa-toggle-off');
    $('#toggle_icon_switch').addClass('fa-toggle-on');
    themeSwitch = true;
  }
});
</script>
```

As is evident above, I removed the button element and added the 'class' of the actual icon as I didn't need a button and this was for testing purposes. I also provided the icon with an 'ID' as applying the same 'class' to add and remove 'classes' didn't work. Within this, as stated before I added 'removeClass' and 'addClass' where needed, toggling between the on and off switch as is evident below:

The Outcome on the Page – Before and After Selecting the Switch



This now signified the end of the task as I had added all that was needed.

Allowing for the 'Careless Talk' Page Carousels to Function with Animations

As I had already attempted to integrate a carousel with animations so that when the user would select either a next or previous arrow, a different animation would appear, I needed to therefore actually make this function how I wanted. First of all, I needed to allow for the carousels to function correctly as whilst attempting to place animations into the carousel, this caused the carousel not to work. The process of making this function again, whilst viewing the 'W3Schools' website, can be viewed below:

Example of Integrating 'plusSlides(-1)' and 'plusSlides(1)' into the Previous and Next Buttons on One Carousel which then Allowed for Selecting the Different Arrows with Different Slides Appearing

```
<div class="slideshow-container">
<div class="mySlides">
<div class="previous_button_container">
<a class="prev" onclick="plusSlides(-1)"&#10094;</a>
</div>
<div class="numbertext fade fade2">

<p>1 / 3</p>
</div>
<div class="text fade fade2">
<h3>Placeholder Title</h3>
<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Voluptatem facilis, n
</div>
<div class="next_button_container">
<a class="next" onclick="plusSlides(1)"&#10095;</a>
</div>
</div>
<div class="mySlides">
<div class="previous_button_container">
<a class="prev" onclick="plusSlides(-1)"&#10094;</a>
</div>
<div class="numbertext fade fade2">

<p>2 / 3</p>
</div>
<div class="text fade fade2">
<h3>Placeholder Title</h3>
<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Voluptatem facilis, n
</div>
<div class="next_button_container">
<a class="next" onclick="plusSlides(1)"&#10095;</a>
</div>
</div>
<div class="mySlides">
<div class="previous_button_container">
<a class="prev" onclick="plusSlides(-1)"&#10094;</a>
</div>
<div class="numbertext fade fade2">

<p>3 / 3</p>
</div>
<div class="text fade fade2">
<h3>Placeholder Title</h3>
<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Voluptatem facilis, n
</div>
<div class="next_button_container">
<a class="next" onclick="plusSlides(1)"&#10095;</a>
</div>
</div>
</div>
```

Example of the Outcome with One Carousel – Before and After Selecting an Arrow





After I had now managed to make the carousel function correctly again, I now attempted to place animations so that when the user selected the right arrow, this would animate in from the left and when selecting the left arrow, the content would animate in from the right. One aspect I thought would work would be setting a 'variable' where all elements with the 'class' of 'mySlides2' would be collected and then to animate this with the 'classList.toggle' aspect of 'JavaScript', applying a 'class' assigned with an animation. However, when originally trying this, this did work but only a certain amount of times and not each time of changing the content. This was because I had applied 'slideIndex2-1' to the bottom of the script. The code for this attempt can be viewed below:

Example of the Original Attempt

```
function showSlides2(n2) {
  var i2;
  var slides2 = document.getElementsByClassName("mySlides2");
  var dots2 = document.getElementsByClassName("dot2");
  var fade2 = document.getElementsByClassName("mySlides2");
  if (n2 > slides2.length) {slideIndex2 = 1}
  if (n2 < 1) {slideIndex2 = slides2.length}
  for (i2 = 0; i2 < slides2.length; i2++) {
    slides2[i2].style.display = "none";
  }
  for (i2 = 0; i2 < dots2.length; i2++) {
    dots2[i2].className = dots2[i2].className.replace(" active", "");
  }
  slides2[slideIndex2-1].style.display = "flex";
  dots2[slideIndex2-1].className += " active";
  fade2[slideIndex2-1].classList.toggle("fade3");
}
</script>
```

After now having attempted some other aspects, I now believed that creating a new function and assigning the 'classList.toggle' to this would help as seen below:

Creating the new Function

```
function fadeTransition() {
  var fade = document.getElementsByClassName("mySlides2");
  fade[slideIndex2-1].classList.toggle("fade2"); //Think th
}
}
```

As is evident above, I would collect all 'class' names of 'mySlides2' and apply an animation when selecting through different images, as is evident with the 'slideIndex2-1'. However, this only caused an animation to appear when selecting arrows on certain occasions. Therefore, I thought that applying the function to the 'plusSlides2' function would have an effect but this caused one aspect to be skipped as will be evident on the following page.

Applying the Function to the 'plusSlides2' Function

```
function plusSlides2(n2) {  
  showSlides2(slideIndex2 += n2);  
  fadeTransition(slideIndex2 += n2);  
}
```

The Outcome on the Page – One Aspect was Skipped as Indicated by the Dots beneath the Carousel



Whilst progressing further, I then managed to make aspects of the carousel animate by applying 'classes' called 'fadeTransition' and 'fadeTransition2' through the 'onclick' method when selecting the next and previous buttons. I also passed '-1' and '1' into these as I thought this may have helped to relate to whether these were previous or next buttons, as displayed through the 'plusSlides' aspects. The 'JavaScript' code remained the same as before. This process can be viewed below:

Examples of Integrating the Animation 'classes' through the 'onclick' Methods

```
<div class="mySlides2">  
  <div class="previous_button_container">  
    <a class="prev" onclick="plusSlides2(-1);fadeTransition2(-1);">&#10094;</a>  
  </div>  
  <div class="animation_container">  
    <div class="numbertext2">  
        
      <p>1 / 3</p>  
    </div>  
    <div class="text2">  
      <h3>Placeholder Title</h3>  
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Voluptatem facili<  
    </div>  
  </div>  
  <div class="next_button_container">  
    <a class="next" onclick="plusSlides2(1);fadeTransition(1);">&#10095;</a>  
  </div>  
</div>
```

```
<div class="mySlides2">  
  <div class="previous_button_container">  
    <a class="prev" onclick="plusSlides2(-1);fadeTransition2(-1);">&#10094;</a>  
  </div>  
  <div class="animation_container">  
    <div class="numbertext2">  
        
      <p>2 / 3</p>  
    </div>  
    <div class="text2">  
      <h3>Placeholder Title</h3>  
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Voluptatem facili<  
    </div>  
  </div>  
  <div class="next_button_container">  
    <a class="next" onclick="plusSlides2(1);fadeTransition(1);">&#10095;</a>  
  </div>  
</div>
```

```
<div class="mySlides2">  
  <div class="previous_button_container">  
    <a class="prev" onclick="plusSlides2(-1);fadeTransition2(-1);">&#10094;</a>  
  </div>  
  <div class="animation_container">  
    <div class="numbertext2">  
        
      <p>3 / 3</p>  
    </div>  
    <div class="text2">  
      <h3>Placeholder Title</h3>  
      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Voluptatem faci<  
    </div>  
  </div>  
  <div class="next_button_container">  
    <a class="next" onclick="plusSlides2(1);fadeTransition(1);">&#10095;</a>  
  </div>  
</div>
```

The JavaScript Code – This Remained the Same

```
function showSlides2(n2) {
  var i2;
  var slides2 = document.getElementsByClassName("mySlides2");
  var dots2 = document.getElementsByClassName("dot2");
  var fade2 = document.getElementsByClassName("mySlides2");
  if (n2 > slides2.length) {slideIndex2 = 1}
  if (n2 < 1) {slideIndex2 = slides2.length}
  for (i2 = 0; i2 < slides2.length; i2++) {
    slides2[i2].style.display = "none";
  }
  for (i2 = 0; i2 < dots2.length; i2++) {
    dots2[i2].className = dots2[i2].className.replace(" active", "");
  }
  slides2[slideIndex2-1].style.display = "flex";
  dots2[slideIndex2-1].className += " active";
  fade2[slideIndex2+1].classList.toggle("fade3");
}
</script>
```

After progressing further and attempting to explore another approach with 'jQuery' to achieve the required outcome, I then had the following code which wouldn't function as selecting the next button would toggle between different animations with the previous button having the wrong animation applied. This can be seen below:

The jQuery Code to Apply Relevant Animations using 'toggleClass' when Selecting the Next and Previous Buttons

```
<script>
$(".next").click(function(){
  $(".animation_container").toggleClass("fade3");
});
</script>
<script>
$(".prev").click(function(){
  $(".animation_container2").toggleClass("fade2");
});
</script>
```

After having severely struggled with attempting to apply different animations to both of the different buttons when being selected, I decided to apply one animation to both arrows. This was due to time constraints. I also modified the code with relevant 'class' names to suit the project. The changed code can be seen on the following page for both carousel sections.

The HTML and JavaScript Code for the First Carousel

```
<div class="nsc_carousel_container">
  <div class="nsc_cc_slides_container">
    <div class="nsc_cc_previous_button_container">
      <a class="nsc_cc_pbc_previous" onclick="plusContent(-1)"&#10094;</a>
    </div>
    <div class="nsc_cc_animation_container fade">
      <div class="nsc_cc_ac_images_container">
        
      </div>
      <div class="nsc_cc_ac_text_container">
        <h3>CARELESS TALK COSTS LIVES</h3>
        <p><i>"... Strictly between these four walls!"</i></p>
      </div>
    </div>
    <div class="nsc_cc_next_button_container">
      <a class="nsc_cc_nbc_next" onclick="plusContent(1)"&#10095;</a>
    </div>
  </div>
  <div class="nsc_cc_slides_container">
    <div class="nsc_cc_previous_button_container">
      <a class="nsc_cc_pbc_previous" onclick="plusContent(-1)"&#10094;</a>
    </div>
    <div class="nsc_cc_animation_container fade">
      <div class="nsc_cc_ac_images_container">
        
      </div>
      <div class="nsc_cc_ac_text_container">
        <h3>CARELESS TALK COSTS LIVES</h3>
        <p><i>"..... but for Heaven's sake don't say I told you!"</i></p>
      </div>
    </div>
    <div class="nsc_cc_next_button_container">
      <a class="nsc_cc_nbc_next" onclick="plusContent(1)"&#10095;</a>
    </div>
  </div>
  <div class="nsc_cc_slides_container">
    <div class="nsc_cc_previous_button_container">
      <a class="nsc_cc_pbc_previous" onclick="plusContent(-1)"&#10094;</a>
    </div>
    <div class="nsc_cc_animation_container fade">
      <div class="nsc_cc_ac_images_container">
        
      </div>
      <div class="nsc_cc_ac_text_container">
        <h3>CARELESS TALK COSTS LIVES</h3>
        <p><i>"You never know who's listening!"</i></p>
      </div>
    </div>
    <div class="nsc_cc_next_button_container">
      <a class="nsc_cc_nbc_next" onclick="plusContent(1)"&#10095;</a>
    </div>
  </div>
  <div class="nsc_cc_slides_container">
    <div class="nsc_cc_previous_button_container">
      <a class="nsc_cc_pbc_previous" onclick="plusContent(-1)"&#10094;</a>
    </div>
    <div class="nsc_cc_animation_container fade">
      <div class="nsc_cc_ac_images_container">
        
      </div>
      <div class="nsc_cc_ac_text_container">
        <h3>CARELESS TALK COSTS LIVES</h3>
        <p><i>".... but of course it mustn't go any further!"</i></p>
      </div>
    </div>
    <div class="nsc_cc_next_button_container">
      <a class="nsc_cc_nbc_next" onclick="plusContent(1)"&#10095;</a>
    </div>
  </div>
  <div class="nsc_cc_slides_container">
    <div class="nsc_cc_previous_button_container">
      <a class="nsc_cc_pbc_previous" onclick="plusContent(-1)"&#10094;</a>
    </div>
    <div class="nsc_cc_animation_container fade">
      <div class="nsc_cc_ac_images_container">
        
      </div>
      <div class="nsc_cc_ac_text_container">
        <h3>CARELESS TALK COSTS LIVES</h3>
        <p><i>"Don't forget that walls have ears!"</i></p>
      </div>
    </div>
    <div class="nsc_cc_next_button_container">
      <a class="nsc_cc_nbc_next" onclick="plusContent(1)"&#10095;</a>
    </div>
  </div>
</div>
<br>
<div>
  <span class="dot" onclick="currentSlide(1)"></span>
  <span class="dot" onclick="currentSlide(2)"></span>
  <span class="dot" onclick="currentSlide(3)"></span>
</div>
```

```

<!-- JavaScript for Carousel Section Start -->
<script>
var carouselIndex = 1;
showContent(carouselIndex);

function plusContent(n) {
  showContent(carouselIndex += n);
}

function currentContent(n) {
  showContent(carouselIndex = n);
}

function showContent(n) {
  var i;
  var content = document.getElementsByClassName("nsc_cc_slides_container");
  var dots = document.getElementsByClassName("dot");
  if (n > content.length) {carouselIndex = 1}
  if (n < 1) {carouselIndex = content.length}
  for (i = 0; i < content.length; i++) {
    content[i].style.display = "none";
  }
  for (i = 0; i < dots.length; i++) {
    dots[i].className = dots[i].className.replace(" active", "");
  }
  content[carouselIndex-1].style.display = "flex";
  dots[carouselIndex-1].className += " active";
}
</script>
<!-- JavaScript for Carousel Section End -->

```

The CSS Code for the First Carousel

```

/* New Slogan for February 1940 Carousel Section Start */
.nsc_carousel_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
  border: 2px solid #008080;
  background-color: #C0C0C0;
  padding: 20px;
}
.nsc_cc_slides_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: row;
}
.nsc_cc_animation_container {
  width: 100%;
  height: auto;
  display: flex;
  flex-direction: row;
  padding: 100px;
}
.nsc_cc_pbc_previous, .nsc_cc_nbc_next {
  display: flex;
  cursor: pointer;
  width: 50px;
  height: 50px;
  color: #FFFFFF;
  background-color: #336699;
  font-weight: bold;
  font-size: 40px;
  transition: 0.5s;
  align-items: center;
  justify-content: center;
  user-select: none;
  padding-bottom: 3px;
}
.nsc_cc_nbc_next {
  margin-left: 97px;
}
.nsc_cc_pbc_previous:hover, .nsc_cc_nbc_next:hover {
  background-color: #008080;
  transition: 0.5s;
}
.nsc_cc_previous_button_container {
  display: flex;
  width: 10%;
  height: auto;
  align-items: center;
}
.nsc_cc_next_button_container {
  display: flex;
  width: 10%;
  height: auto;
  align-items: center;
}
.nsc_cc_ac_text_container {
  display: flex;
  flex-direction: column;
  width: 60%;
  height: auto;
  color: black;
  margin: auto;
  align-items: center;
}
.nsc_cc_ac_images_container {
  display: flex;
  flex-direction: column;
  width: 40%;
  height: auto;
  align-items: center;
}
.nsc_cc_ac_images {
  width: 100%;
  height: auto;
  display: block;
  margin: auto;
}
.dot {
  cursor: pointer;
  height: 15px;
  width: 15px;
  margin: 0 2px;
  background-color: #bbb;
  border-radius: 50%;
  display: hidden;
  transition: background-color 0.6s ease;
}
.active, .dot:hover {
  background-color: #717171;
}
/* New Slogan for February 1940 Carousel Section End */

```

The HTML and JavaScript Code for the Second Carousel

```
<!-- Keep Mum Carousel Section Start -->
<div class="kmc_carousel_container">
  <div class="kmc_cc_slides_container">
    <div class="kmc_cc_previous_button_container">
      <a class="kmc_cc_pbc_previous" onclick="plusContent2(-1);"&#10094;</a>
    </div>
    <div class="kmc_cc_animation_container fade">
      <div class="kmc_cc_ac_images_container">
        
      </div>
      <div class="kmc_cc_ac_text_container">
        <h3>WAR SECRETS</h3>
        <p><i>Starve him with Silence</i></p>
      </div>
    </div>
    <div class="kmc_cc_next_button_container">
      <a class="kmc_cc_nbc_next" onclick="plusContent2(1);"&#10095;</a>
    </div>
  </div>
  <div class="kmc_cc_slides_container">
    <div class="kmc_cc_previous_button_container">
      <a class="kmc_cc_pbc_previous" onclick="plusContent2(-1);"&#10094;</a>
    </div>
    <div class="kmc_cc_animation_container fade">
      <div class="kmc_cc_ac_images_container">
        
      </div>
      <div class="kmc_cc_ac_text_container">
        <h3>BENARE</h3>
        <p><i>HE WANTS TO KNOW YOUR UNIT'S NAME. WHERE YOU'RE GOING. WHENCE YOU CAME. EV</i></p>
      </div>
    </div>
    <div class="kmc_cc_next_button_container">
      <a class="kmc_cc_nbc_next" onclick="plusContent2(1);"&#10095;</a>
    </div>
  </div>
  <div class="kmc_cc_slides_container">
    <div class="kmc_cc_previous_button_container">
      <a class="kmc_cc_pbc_previous" onclick="plusContent2(-1);"&#10094;</a>
    </div>
    <div class="kmc_cc_animation_container fade">
      <div class="kmc_cc_ac_images_container">
        
      </div>
      <div class="kmc_cc_ac_text_container">
        <h3>CARELESS TALK COSTS LIVES</h3>
        <p><i>Keep mum she's not so dumb!</i></p>
      </div>
    </div>
    <div class="kmc_cc_next_button_container">
      <a class="kmc_cc_nbc_next" onclick="plusContent2(1);"&#10095;</a>
    </div>
  </div>
  <div class="kmc_cc_slides_container">
    <div class="kmc_cc_previous_button_container">
      <a class="kmc_cc_pbc_previous" onclick="plusContent2(-1);"&#10094;</a>
    </div>
    <div class="kmc_cc_animation_container fade">
      <div class="kmc_cc_ac_images_container">
        
      </div>
      <div class="kmc_cc_ac_text_container">
        <h3>CARELESS TALK COSTS LIVES</h3>
        <p><i>Be like Dad. Keep Mum!</i></p>
      </div>
    </div>
    <div class="kmc_cc_next_button_container">
      <a class="kmc_cc_nbc_next" onclick="plusContent2(1);"&#10095;</a>
    </div>
  </div>
</div>
```

```
<div class="kmc_cc_slides_container">
  <div class="kmc_cc_previous_button_container">
    <a class="kmc_cc_pbc_previous" onclick="plusContent2(-1);">&#10094;</a>
  </div>
  <div class="kmc_cc_animation_container fade">
    <div class="kmc_cc_ac_images_container">
      
    </div>
    <div class="kmc_cc_ac_text_container">
      <h3>CARELESS TALK COSTS LIVES</h3>
      <p><i>"Keep it under your hat!"</i></p>
    </div>
  </div>
  <div class="kmc_cc_next_button_container">
    <a class="kmc_cc_nbc_next" onclick="plusContent2(1);">&#10095;</a>
  </div>
</div>

<div class="kmc_cc_slides_container">
  <div class="kmc_cc_previous_button_container">
    <a class="kmc_cc_pbc_previous" onclick="plusContent2(-1);">&#10094;</a>
  </div>
  <div class="kmc_cc_animation_container fade">
    <div class="kmc_cc_ac_images_container">
      
    </div>
    <div class="kmc_cc_ac_text_container">
      <h3>CARELESS TALK COSTS LIVES</h3>
      <p><i>Be like Dad. Keep Mum!</i></p>
    </div>
  </div>
  <div class="kmc_cc_next_button_container">
    <a class="kmc_cc_nbc_next" onclick="plusContent2(1);">&#10095;</a>
  </div>
</div>

</div>

<br>

<div>
  <span class="dot2" onclick="currentSlide2(1)"></span>
  <span class="dot2" onclick="currentSlide2(2)"></span>
  <span class="dot2" onclick="currentSlide2(3)"></span>
</div>

<script>
var carouselIndex2 = 1;
showContent2(carouselIndex2);

function plusContent2(n2) {
  showContent2(carouselIndex2 += n2);
}

function currentContent2(n2) {
  showContent2(carouselIndex2 = n2);
}

function showContent2(n2) {
  var i2;
  var content2 = document.getElementsByClassName("kmc_cc_slides_container");
  var dots2 = document.getElementsByClassName("dot2");

  if (n2 > content2.length) {carouselIndex2 = 1}
  if (n2 < 1) {carouselIndex2 = content2.length}
  for (i2 = 0; i2 < content2.length; i2++) {
    content2[i2].style.display = "none";
  }
  for (i2 = 0; i2 < dots2.length; i2++) {
    dots2[i2].className = dots2[i2].className.replace(" active", "");
  }
  content2[carouselIndex2-1].style.display = "flex";
  dots2[carouselIndex2-1].className += " active";
}
</script>
```

The CSS Code for the Second Carousel

```
/* Keep Mum Carousel Section Start */
.kmc_carousel_container {
  display: flex;
  flex-direction: row;
  width: 100%;
  height: auto;
  border: 2px solid #008080;
  background-color: #C0C080;
  padding: 20px;
}

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

.kmc_cc_animation_container {
  width: 80%;
  height: auto;
  display: flex;
  flex-direction: row;
  padding: 100px;
}

.kmc_cc_pbc_previous, .kmc_cc_nbc_next {
  display: flex;
  cursor: pointer;
  width: 50px;
  height: 50px;
  color: #FFFFFF;
  background-color: #336600;
  font-weight: bold;
  font-size: 40px;
  transition: 0.5s;
  align-items: center;
  justify-content: center;
  user-select: none;
  padding-bottom: 3px;
}

.kmc_cc_nbc_next {
  margin-left: 97px;
}

.kmc_cc_pbc_previous:hover, .kmc_cc_nbc_next:hover {
  background-color: #008080;
  transition: 0.5s;
}

.kmc_cc_previous_button_container {
  display: flex;
  width: 10%;
  height: auto;
  align-items: center;
}

.kmc_cc_next_button_container {
  display: flex;
  width: 10%;
  height: auto;
  align-items: center;
}

.kmc_cc_ac_text_container {
  display: flex;
  flex-direction: column;
  width: 60%;
  height: auto;
  color: black;
  margin: auto;
  align-items: center;
  padding-left: 20px;
}

.kmc_cc_ac_images_container {
  display: flex;
  flex-direction: column;
  width: 40%;
  height: auto;
  align-items: center;
}

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

.dot2 {
  cursor: pointer;
  height: 15px;
  width: 15px;
  margin: 0 2px;
  background-color: #bbb;
  border-radius: 50%;
  display: hidden;
  transition: background-color 0.6s ease;
}

.active, .dot2:hover {
  background-color: #717171;
}

/* Keep Mum Carousel Section End */
```

The CSS Code for the Fading Transition

```
/* Fading Carousel Animation Start */
.fade {
  -webkit-animation-name: fade;
  -webkit-animation-duration: 1.5s;
  animation-name: fade;
  animation-duration: 1.5s;
}

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

@keyframes fade {
  from {opacity: 0;}
  to {opacity: 1;}
}

/* Fading Carousel Animation End */
```

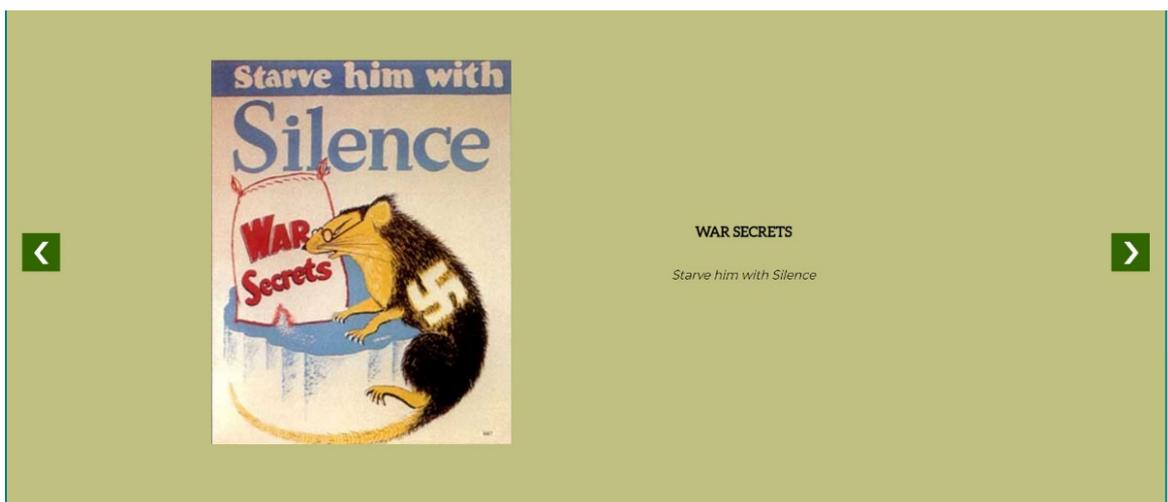
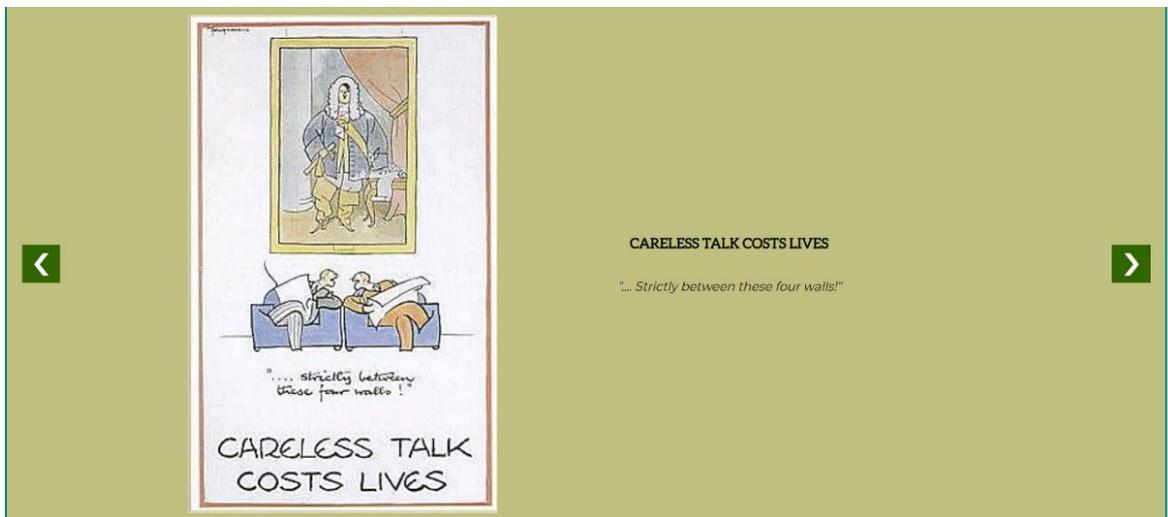
As will have been noticeable above, regarding the 'JavaScript' code, the functions called 'plusContent' and 'plusContent2' would be executed when selecting one of the arrows in the carousels through the 'onclick' method. Furthermore, the 'class' called 'fade' would allow for a fading transition to occur when selecting an arrow, as is partly seen above with the use of 'keyframes', changing the 'opacity' from '0' to '1' with a duration of 1.5 seconds. The duration would help to create the fading effect. This 'class' was applied to a container that was created so that only the content would fade and not the parent container itself along with the next and previous buttons. Relating to the 'JavaScript' again, the main aspect of the 'showContent' and 'showContent2' functions was that this would allow for all elements with the 'classes' of 'nsc_cc_slides_container' 'kmc_cc_slides_container' to be collected through the use of the 'variables' 'content' and 'content2'. This would then allow displaying previously loaded carousel content as 'none' and being able to load the next carousel content through the use of 'style.display = "flex"', once selecting one of the provided arrows.

'HSHF' Website Project (Y3S2) Development Process Document (Part 4) – Daniel Wilkins

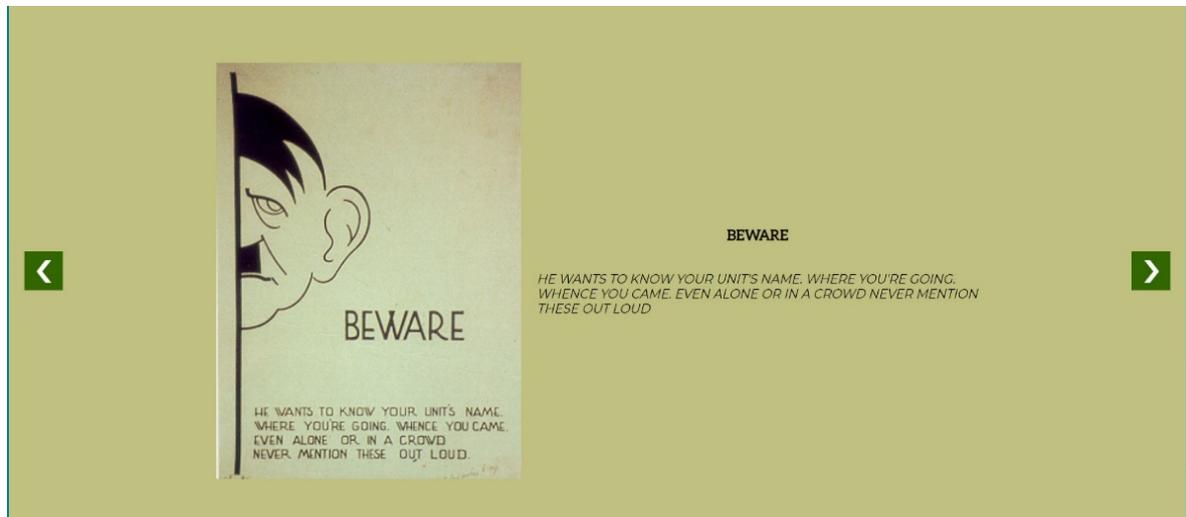
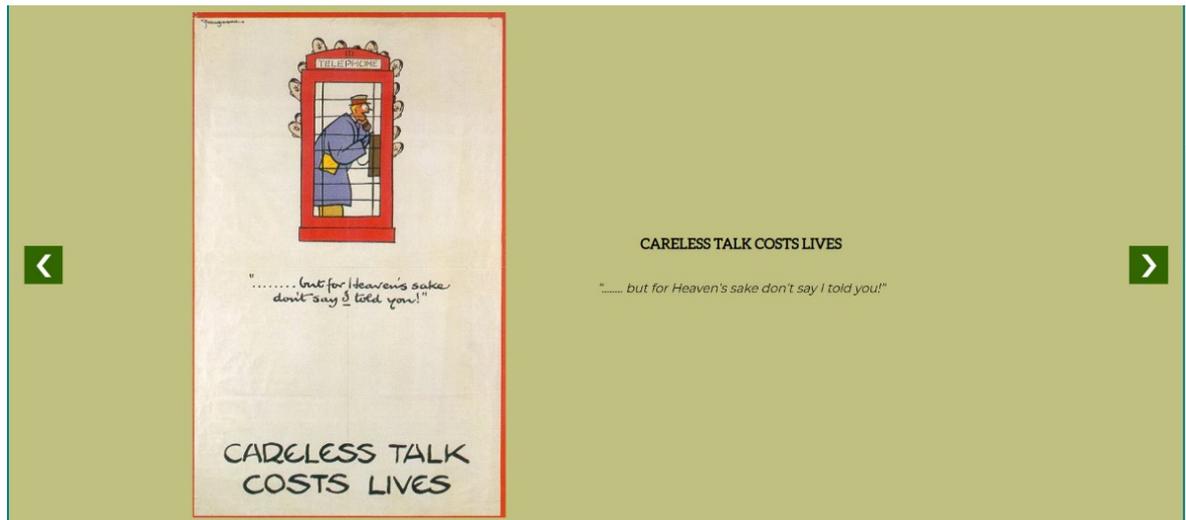
With regards to the styling of the carousel sections, I applied 'padding' to both animation containers to only place the content inside of these further inwards without affecting the next and previous arrows. For both the next and previous arrow buttons, I needed to apply 'padding-bottom' to place the arrows more centrally inside their background colour after having applied 'align-items: center'. Furthermore, 'justify-content: center' was applied to place the arrows horizontally central. I also applied 'margin-left' to both of the next arrow sections due to the fact that these weren't placed as close to the edge of the page as the previous arrow sections. One key final aspect to note is that 'padding-left' was applied to the second carousel text container due to the fact that some content was high in width with 'align-items: center' having little effect. Adding 'padding-left' helped to add space between the text and the image(s). Regarding the other styles, this related to adding aspects such as 'flex-direction', to display content inside containers in the desired format (either horizontal or vertical), and colours.

The outcome of the carousels can be seen below:

The First and Second Carousels Before Selecting an Arrow



The First and Second Carousels After Selecting an Arrow



This now signified the end of this task which allowed for progression elsewhere.

Allowing for the Air Raid Sirens Sound to Function

As I knew that on the previous website originally the air raid sirens interaction used to work, I therefore wanted to implement this for the clients. To make this more interesting, I also wanted to add an animation that would occur when selecting the air raid sirens image/icon.

As I had utilised 'jQuery' in the 'WVS' page before, I therefore believed that I could undertake the same process but apply a different animation when selecting the icon. First of all, I integrated the code to understand if this would work which it did as will be seen below:

Integrating the Previous Code and Changing 'button' to '.fa-volume-up'

```
<script>
$.fa-volume-up).click(function(){
  $(this).toggleClass("rotation");
});
</script>
```

The Outcome – Before and After Selecting the Icon



I then created another animation name, applying this a 'class' of 'air_raid_sirens_animation'. This process can be viewed below:

Applying the new Animation 'class' to the Function

```
<script>
$.fa-volume-up).click(function(){
  $(this).toggleClass("air_raid_sirens_animation");
});
</script>
```

Applying the Styles for the Animation in the CSS Code

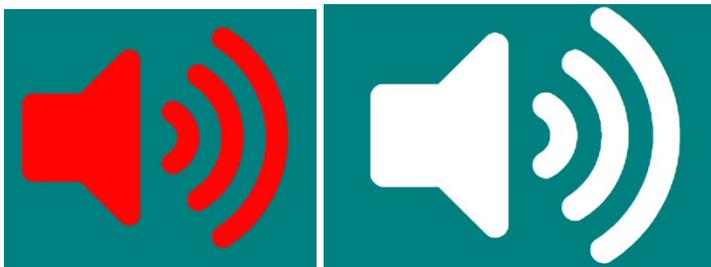
```
.air_raid_sirens_animation {  
  -webkit-animation-name: sirens;  
  -webkit-animation-duration: 3s;  
  animation-name: sirens;  
  animation-duration: 3s;  
}  
  
@-webkit-keyframes sirens {  
  0% {font-size: 250px; color: #FFFFFF;}  
  50% {font-size: 350px; color: #FF0000;}  
  100% {font-size: 250px; color: #FFFFFF;}  
}  
  
@keyframes sirens {  
  0% {font-size: 250px; color: #FFFFFF;}  
  50% {font-size: 350px; color: #FF0000;}  
  100% {font-size: 250px; color: #FFFFFF;}  
}
```

As is evident above, I applied 'keyframes' to create an animation that would start and finish without any further interaction other than initially selecting the icon. Percentages were utilised to signify different styles to be applied throughout different aspects of the animation. This was to create both a growing and shrinking effect as well as a red alert effect, signifying an air raid siren's sound/danger. The animation duration was set to 3 seconds to allow for a smooth animation. Before, I had attempted to place both 25% and 75% within the animations but this created an effect that wasn't smooth. The outcome of this can be viewed below:

The Icon Before Selecting



The Icon After Having Been Selected – During and After the Animation



For the final stage, I now needed to add the actual sound to occur when selecting the icon. Therefore, after asking one of the clients to provide myself with this, I was then sent this. In order to integrate this, I undertook research and integrated the following code seen the following page.

Integrating jQuery Code to Make the Siren Output a Sound as well as Animating

```
<script>
$(document).ready(function() {
  var obj = document.createElement("audio");
  obj.src = "../sounds/hshf_snd_airraidsiren.wav";
  obj.volume = 0.1;
  obj.autoPlay = false;
  obj.preLoad = true;
  obj.controls = true;

  $(".fa-volume-up").click(function(){
    $(this).toggleClass("air_raid_sirens_animation");
    obj.play();
    //obj.pause();
  });
});
</script>
```

As is evident above, a 'variable' of 'obj' was defined to then be able to set settings for the sound such as 'autoPlay' to prevent this from automatically playing when loading the page. This was then referenced within the 'click' function where '.play' was assigned to cause the sound to play once having selected the icon.

This then successfully worked. However, when enabling the 'obj.pause' aspect, this didn't pause the sound when selecting the icon again. This was an issue to resolve. After undertaking research regarding several areas, I then integrated the following code which then worked:

Integrating an 'if' and 'else' Statement

```
<script>
$(document).ready(function() {
  var obj = document.createElement("audio");
  obj.src = "../sounds/hshf_snd_airraidsiren.wav";
  obj.volume = 0.1;
  obj.autoPlay = false;
  obj.preLoad = true;
  obj.controls = true;

  $(".fa-volume-up").click(function(){
    $(this).toggleClass("air_raid_sirens_animation");
    if (obj.paused == false) {
      obj.pause();
      obj.currentTime = 0;
    } else {
      obj.play();
    }
  });
});
</script>
```

As is evident above, I integrated an 'if' and 'else' statement which would allow the user to play and stop the air raid sound at any time. If the audio was paused, when clicking this, this would cause the audio to play and if the audio was playing, when selecting the icon, this would cause the audio to stop. The aspect causing the audio to stop completely was the 'obj.currentTime = 0;' which would reset the audio, as understood through research. After this, I then altered the animation to last for longer through 'animation-iteration-count: infinite' which meant this task was now complete.

The Fifth Stage – Refining the Project

As I had now nearly completed the website, I then decided to refine some issues I had noticed during the early stages as well as commenting and tidying code. Examples of the problems resolved will be able to be seen within this section.

Problem 1 – Some Font Sizes were too Large on Mobile Devices

Whilst making the website responsive for mobile devices, I had noticed that the page heading fonts as well as other heading fonts were overflowing due to their size and not being able to fit into their containers. Examples of this can be seen below:

Page Heading Fonts Issue Example



Other Heading Fonts Issue Example



As I had previously undertaken research regarding this, I therefore learnt that utilising 'vw' for font size would help to make text respond to the width of its 'viewport'. I therefore then applied this to a few aspects before realising that this would cause text to become too small as is seen below:

Applying 'vw' to a few Aspects

```
h1 {
  display: inline-block;
  font-family: 'Aleo', sans-serif;
  font-size: 8vw;
}

h2 {
  font-family: 'Special Elite', sans-serif;
  font-size: 4.5vw;
}
```

The Outcome – The text Appeared too Small

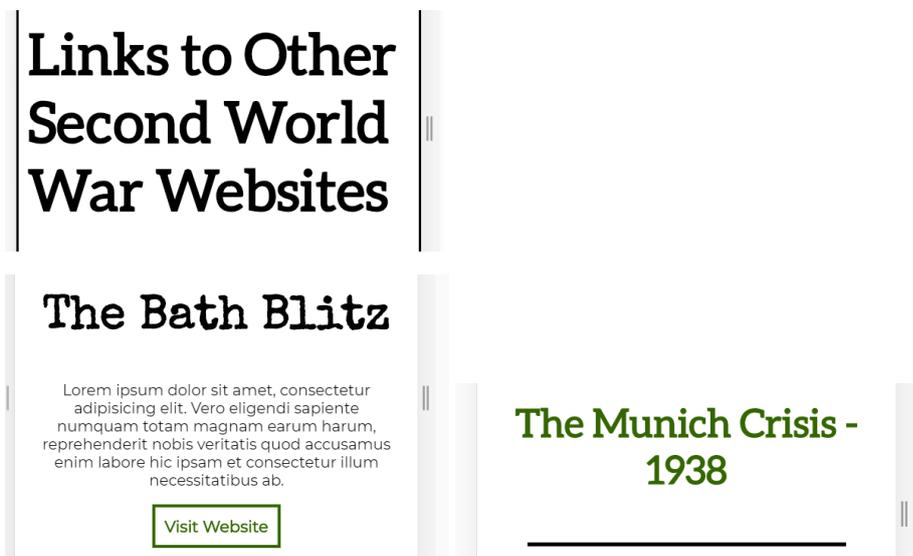


I then decided to change the font-size by 'media query' instead and this then created an appearance that was better as will be seen below:

Applying the new Font Styles to the 'media query'

```
/* PAGE ELEMENTS SECTION START */  
h1 {  
  font-size: 60px;  
}  
h2 {  
  font-size: 50px;  
}  
h3 {  
  font-size: 40px;  
}  
/* PAGE ELEMENTS SECTION END */
```

The Outcome on the Web Page – This was Better (Examples)



Problem 2 – Two Images were Very Compact

Another issue I needed to refine was the fact that two images were compact on a page when displaying these inline as will be evident below:

The Two Images of the 'Air Raid Shelters' Page that were too Compact

The Morrison Shelter

Another type of shelter issued was the Morrison shelter. Introduced in 1941, it was named after Herbert Morrison, Minister of Home Security. A family shelter, free for most people, it could be erected indoors. It had a steel plate on top, which could be used as a table in the day time, and sides of wire mesh 2ft, 9in high. Over half million had been distributed by 1941.

Below is a comic view of the Morrison Shelter.



CARTOON CAPTION: "By the way, did you remember to feed the canary?"



As I found it difficult to resolve this issue, I therefore changed the position of these images to be placed underneath the title and text sections on the page. However, whilst doing this, I realised I had the same issue which then inspired myself to create two new containers called 'msc_ic_sub_container1' and 'msc_ic_sub_container2', applying the following styles:

Adding the New Containers to the HTML Code

```
<div class="msc_image_container">
  <div class="msc_ic_sub_container1">
    
    <p><i><b>CARTOON CAPTION: "By the way, did you remember to feed the canary?"</b></i></p>
  </div>
  <div class="msc_ic_sub_container2">
    
  </div>
</div>
```

Altering the Styles to Suit these Newly Created Containers

```
.msc_image_container {
  display: flex;
  flex-direction: row;
  width: 50%; /* This con
  height: auto; /* This w
  padding-left: 20px;
}

.msc_ic_sub_container1 {
  width: 50%;
  height: auto;
}

.msc_ic_sub_container2 {
  width: 50%;
  height: auto;
}
```

As is evident here, I implemented 'padding-left' to add space between the images and title and text sections. I also set the widths of each of the new containers to 50% to allow for a balanced appearance. I had realised that applying 'display: flex' to elements not in containers caused them to become compact. Please also note that I then added 'align-items: center' to the 'msc_image_container' to place the images vertically central on the page for appearance reasons.

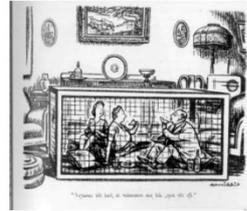
The outcome of this can be viewed below:

The Outcome of this on the Page – This Resolved the Issue

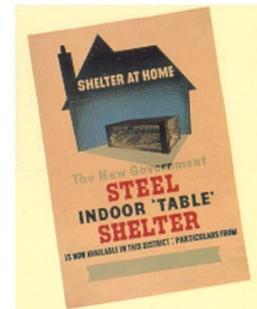
The Morrison Shelter

Another type of shelter issued was the Morrison shelter. Introduced in 1941, it was named after Herbert Morrison, Minister of Home Security. A family shelter, free for most people, it could be erected indoors. It had a steel plate on top, which could be used as a table in the day time, and sides of wire mesh 2ft, 9in high. Over half million had been distributed by 1941.

A comic view of the Morrison Shelter can be viewed here.



CARTOON CAPTION: "By the way, did you remember to feed the canary?"



Conclusion

From undertaking these processes for this project, this allowed myself to understand how to integrate new interactive elements into a website as well as being able to refine my skills as a 'front-end' website developer through using elements within 'HTML' and 'CSS'. After undertaking these processes, I then uploaded the current version to a server for testing purposes whereby I then added a few refinements stated by the client(s) as well as testing to ensure that all functionality worked. This was successful and everything did function correctly. I also added more comments to the code to organise and tidy this, creating code that was both readable and maintainable. Examples of adding/refining comments in the code can be viewed below:

Examples of Commenting/Organising Code to be More Readable and Maintainable

```
<!-- Page Heading Section Start -->
<div class="page_heading_container">
  <div class="phc_title_container">
    <h1>Welcome to Home Sweet Home Front!</h1>
    <hr>
  </div>
  <div class="phc_image_container">
    
  </div>
</div>

<!-- Page Heading Section End -->

<!-- Introduction Section Start -->
<div class="introduction_container">
  <div class="ic_image">
    
  </div>
  <div class="ic_text">
    <p>Much has been written about Britain's Military role in the Second World War. From the
    <p>But what of those left behind? Those civilians of the home front left to face their own
    <p>The 'Home Sweet Home Front' website has been designed to go some way to give insight in
  </div>
</div>

<!-- Introduction Section End -->

<!-- Image of the Month Section Start -->
<div class="image_of_month_container">
  <div class="iom_text">
    <h2>Image of the Month</h2>
    <p><i>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quo eius debitis enim, des
  </div>
  <div class="iom_image">
    
  </div>
</div>

<!-- Image of the Month Section End -->
```

```
<!-- New Slogan for February 1940 Carousel Section Start -->
<div class="nsc_carousel_container">
  <!-- Image 1 Section Start -->
  <div class="nsc_cc_slides_container">
    <div class="nsc_cc_previous_button_container">
      <a class="nsc_cc_pbc_previous" onclick="plusContent(-1)"&#10094;</a>
    </div>
    <div class="nsc_cc_animation_container fade">
      <div class="nsc_cc_ac_images_container">
        
      </div>
      <div class="nsc_cc_ac_text_container">
        <h3>CARELESS TALK COSTS LIVES</h3>
        <p><i>"... Strictly between these four walls!"</i></p>
      </div>
    </div>
    <div class="nsc_cc_next_button_container">
      <a class="nsc_cc_nbc_next" onclick="plusContent(1)"&#10095;</a>
    </div>
  </div>
  <!-- Image 1 Section End -->
  <!-- Image 2 Section Start -->
  <div class="nsc_cc_slides_container">
    <div class="nsc_cc_previous_button_container">
      <a class="nsc_cc_pbc_previous" onclick="plusContent(-1)"&#10094;</a>
    </div>
    <div class="nsc_cc_animation_container fade">
      <div class="nsc_cc_ac_images_container">
        
      </div>
      <div class="nsc_cc_ac_text_container">
        <h3>CARELESS TALK COSTS LIVES</h3>
        <p><i>"..... but for Heaven's sake don't say I told you!"</i></p>
      </div>
    </div>
    <div class="nsc_cc_next_button_container">
      <a class="nsc_cc_nbc_next" onclick="plusContent(1)"&#10095;</a>
    </div>
  </div>
  <!-- Image 2 Section End -->
```

```
/* ----- */
/* HOME GUARD PAGE START */

/* Home Guard Page Heading Section Start */

.home_guard_page_heading_container {
  padding: 50px; /* This will help to place spacing around
}

/* Home Guard Page Heading Section End */

/* Home Guard Introduction Section Start */

.home_guard_introduction_container {
  padding: 50px;
  align-items: center;
}

/* Home Guard Introduction Section End */

/* Home Guard Invasion Fears and the LDV Section Start */

.invasion_ldv_container {
  padding: 50px;
  align-items: center;
}

/* Home Guard Invasion Fears and the LDV Section End */

/* Home Guard LDV Uniforms and Arms Section Start */

.ldv_uniforms_arms_container {
  padding: 50px;
}

/* Home Guard LDV Uniforms and Arms Section End */

/* Home Guard A Change of Name Section Start */

.change_of_name_container {
  padding: 50px; /* This will help to place spacing around
}

/* Home Guard A Change of Name Section End */
```

```
/* CARELESS TALK PAGE END */
/* ----- */
/* DIG FOR VICTORY PAGE START */
/* Dig For Victory Page Heading Section Start */

.dig_page_heading_container {
  display: flex;
  flex-direction: row; /* Flexbox will allow for displaying the items inside this container in a horizontal format */
  width: 100%; /* This will make the container fill the page's whole width */
  height: auto; /* This will make the height of the container adjust both to the screen resolution as well as the content */
  padding: 100px; /* This will help to place spacing around the elements inside the container */
  border: 2px solid #000000; /* This will add a border that is black and 2px in width to the container */
}

.dphc_title_container hr {
  width: 100%;
  height: auto;
  border: 2px solid #336600;
}

.dphc_title_container {
  width: 70%;
  height: auto;
}

.dphc_image_container {
  width: 30%;
  height: auto;
  padding-left: 20px;
}

.dphc_image_container hr {
  display: none;
}

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

/* Dig For Victory Page Heading Section End */
```

```
/* ----- */
/* OTHER WW2 WEBSITE LINKS PAGE START */
/* Other WW2 Website Links Page Heading Section Start */
.ww2_links_page_heading_container {
  padding: 10px; /* This will help to place spacing around the elements inside the container */
}
/* Other WW2 Website Links Page Heading Section End */
/* WW2 Websites Important Message Section Start */
.important_message_container {
  display: flex;
  flex-direction: column; /* Flexbox will allow for displaying the items inside this container in a vertical format */
  padding: 20px; /* This will help to place spacing around the elements inside the container */
  text-align: center;
}
.imc_text_container {
  width: 100%;
  height: auto;
  order: 2;
}
.imc_icon_container {
  width: 100%;
  height: auto;
  order: 1;
  font-size: 200px;
}
/* WW2 Websites Important Message Section End */
```

The purpose of this project was to allow myself to create a finished product with those technologies I was confident with whilst also exploring a few other elements. In order to explore frameworks, this related to the Manchester United website application project also undertaken within the same semester which is also viewable on my personal website.

Overall, I believe that the development process was successful as I was able to replicate what had been created within the design process whilst also managing to add interactivity successfully.

Please Note: To view the final outcome for this project, please refer to my personal website.

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I may have 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 may have also used some help and advice from previous work experience at 'The ICE Agency' and 'Coullweb' as well as previous projects

**THIS IS THE END OF THE DOCUMENT AND
DEVELOPMENT/PROGRAMMING PROCESS
DOCUMENTATION**