

Intended Changes and Additional Features

In my website, the content on the existing pages will mostly remain the same. As the content was of a satisfactory standard previously. My main aim will be to make my website more mobile-friendly and responsive. I will achieve this by rebuilding the website from the ground up, employing a range of tools such as JQuery and Bootstrap.

One of the main changes I plan to make is to modify the navbar so that it collapses on smaller devices, whereby it swaps out the button bar for a menu button that will reveal a dropdown list (burger bar) of the buttons to switch between pages on the website. This is done to make the website more mobile friendly / suitable on smaller screens.

Each page will be designed with bootstrap in mind so that content stacks neatly onto each other on the resizing of the screen, keeping a consistent layout and ensuring that there is no clipping / overlapping of elements upon changes to the screen size.

The main page will receive some updates to its layout and design to make it more modern and in keeping with websites developed today.

Furthermore, new features will be added to each page, such as a button that scrolls to the top of the screen, to flesh out the website and provide more ease-of-use for the end user.

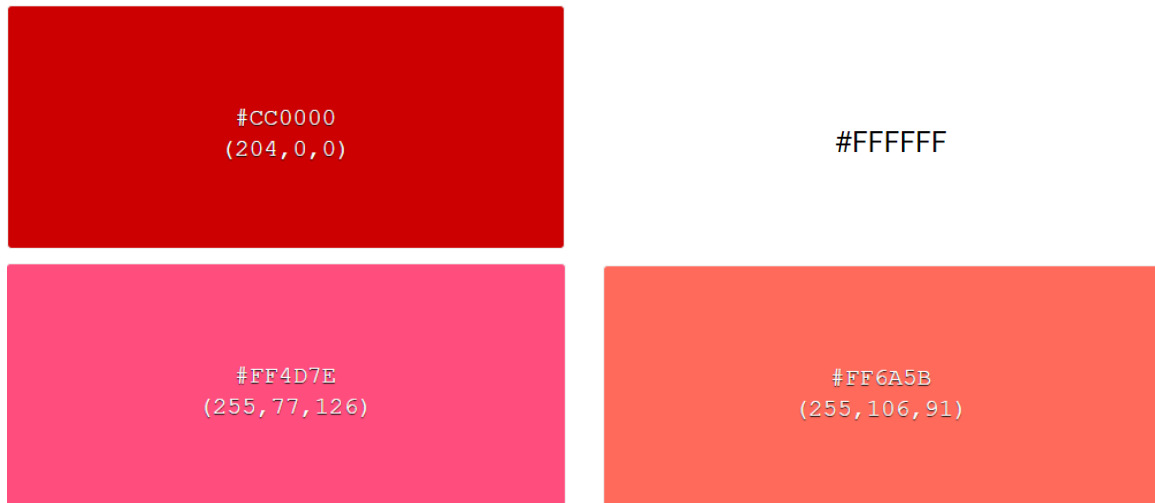
Three new pages (FAQs, Contact, Offline) will also be created to support additional requirements and features needed for this coursework (e.g. forms, geolocation etc.)

The colour scheme will also get an overhaul to modernise the website and make it more vibrant.

I will stick to a colour theme that is reminiscent of the colours used to represent Derry when it was elected as the UK's City of Culture in 2013 with a range of bright summer colours from reds, oranges and pinks.

I will use a gradient from #ff4d7e to #ff6a5b as the background to the website, with a large whitespace (#FFFFFF) in the centre for content to be displayed within (to provide a good contrast that allows the content to be readable and accessible).

#cc0000 will be used as a border at the bottom of the navigation bar, as well as for other minor features such as single-use buttons (like the "Scroll-To-Top" button) as well as horizontal rules. This will keep in with the summer-colours theme but also be a darker shade to provide contrast where needed so that the minor elements stand out and are easily visible.



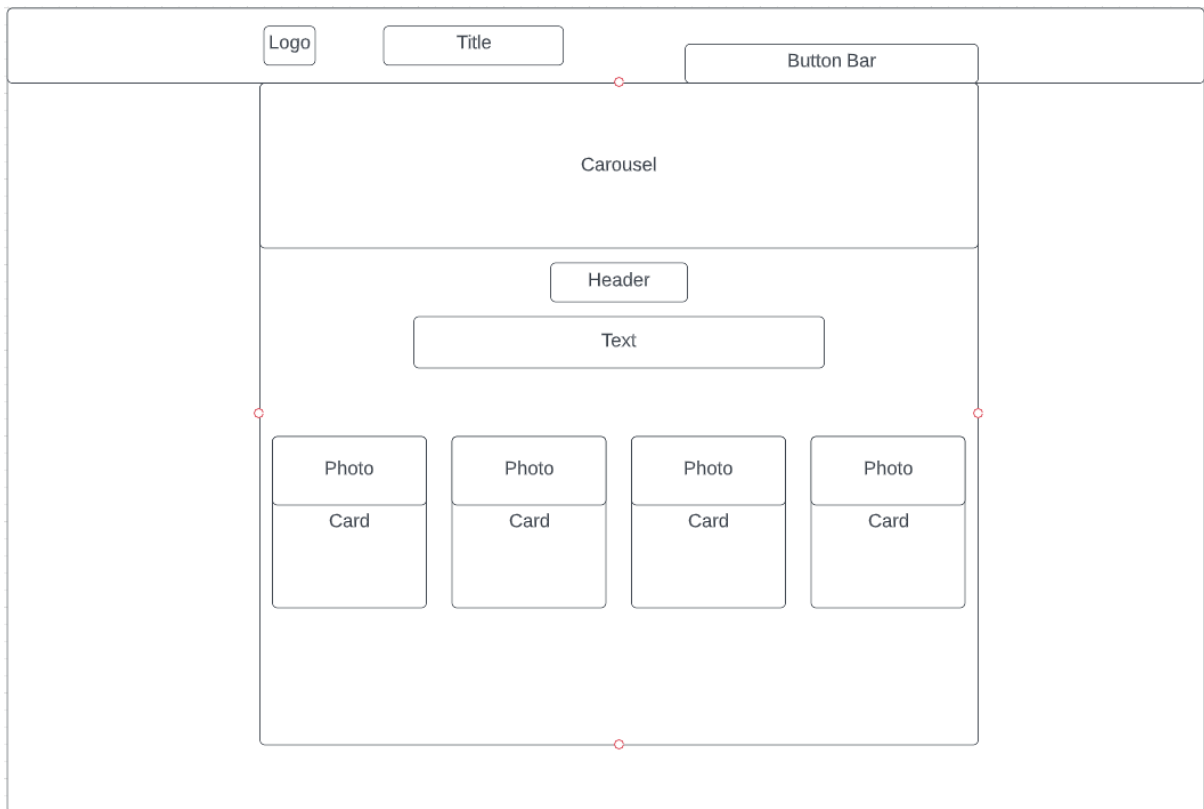
In addition, I will implement some advanced features of html to enhance my website and add further value to it. I will use the geolocation feature with a map to show the user's location in comparison to the landmarks.

I will also make use of app caching to keep in line with modern web-development and to make the website stay responsive and running with no internet connection.

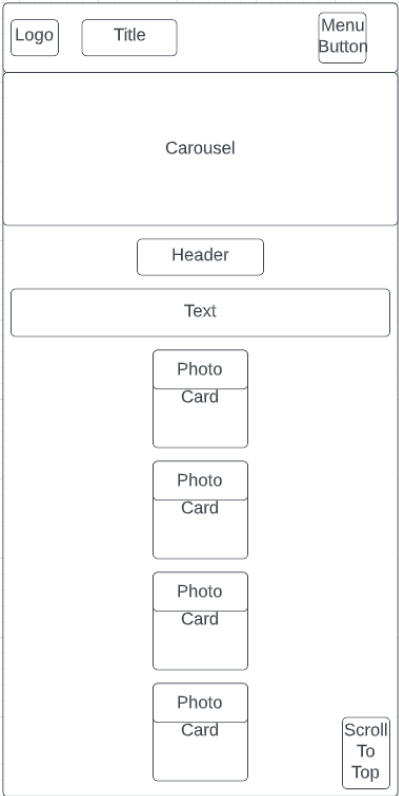
Moreover, I will also make use of Javascript and JQuery to add more useful and flashy features to the website to further enhance the website and make it more appealing to end users.

Wireframe Models

Main Page (Desktop layout)



Main Page (Mobile Layout)



FAQs



Contact Us

Logo

Title

Button Bar

Image

Header

Form field

Form field

Form field

Submit Button

ImageText

ImageText

ImageText

Offline

Text

Evaluation

In general, I kept mostly to my design plan and didn't deviate too far from my original ideas. There were relatively few changes between the original design and the final implementation.

I was largely successful in adapting my new website to be more responsive and support smaller screen sizes / the resizing of the window. On each page, the use of bootstrap results in things collapsing neatly and stacking below each other as the screen size gets smaller, which results in a clean and consistent layout across many devices.

However, there are minor faults when resizing between breakpoints such as the buttons on the nav bar being slightly cut off at unique resolutions, however it is a rarer issue that is not often spotted due to the screen size it appears in.

I was also successful in implementing the new pages as well as their features, such as the FAQs page with the geolocation map and the contact page with the form.

The new colour scheme also helped to bring the website into the 21st century and give it a more distinct and modern look that is more eye-catching and memorable.

Overall, the new changes and implementations were widely successful in improving the website and fixing many of the flaws from my previous attempt. The website is now more responsive, user friendly and modernised.

Given more time and experience however, I would have liked to have included more Javascript and JQuery features to improve the website some more i.e. to include animations and give the website some more fluidity. I would like to have included more options to add to the accessibility of the website such as a dark mode or the ability to change font size.

Testing

To start, once the website had been finished. I carried out extensive manual testing. I went through each page of the website testing anything that would require user input / interaction. For example, I went through and clicked on each button and link to ensure that they were functioning properly and directed the user to the correct location.

I also tested that the validation of the form was working correctly by manually inputting a range of values and checking to make sure that empty fields and incorrect formatting of certain fields were flagged.

The responsiveness of the website was checked by manually resizing the window to various different widths and lengths to ensure that there were no collisions between elements and that the layout was clear and consistent across a range of sizes / devices.

Furthermore, I also used online html validation tools in order to check and ensure that my html code ran without any errors or warnings.

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