Web Design Report

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For my website, I made a shop that sells Gaelic football jerseys called JAA.

GitHub link for the website: [**https://paddymcl.github.io/Web-designWebsite/**](https://paddymcl.github.io/Web-designWebsite/)

**Installation/Usage**

1. I was unable to get the login working. There is a login page where the user can log in, but it doesn’t prevent the user from purchasing if they are not logged in.
2. The shop page allows users to look at the products available and add the items that they would like to purchase to the cart.
3. The user details page allows the user to input their detail such as email, address etc. There is already information inputted there but the user can edit the detail to add their information in the relevant information and press the update details button. It will update this information on the checkout page. If I box on the user details page is left blank, then it will notify the user that a section is not filled out.
4. The checkout page shows the user details from the user details page. It then asks the user to input the CCV “123”. If the user puts in the wrong payment information, then it will not allow the payment to go through and show an error on the screen. If the user puts in the correct payment information, then it will display that the payment is successful. A message will be displayed thanking the user for purchasing the link to bring them back to the shopping page.
5. On every page there is a footer which has a Contact Us link that leads to an email address and a phone number for contacting the shop owner on the About Us page.
6. I didn’t get the SASS and minifying files to work.

**Breakpoints**

I was able to get the shop page to be flexible for the web page by adding “col-lg-4 col-md-6 col-12” as a class to each div in the container for each Jersey.

**SEO**



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I added details of relevant keywords for each page for search engine optimisation.

**Navigation**

The first part of the project that I focused on was getting the navigation working between pages and getting the display on screen looking good. I also had to ensure that when the page was made smaller for smaller devices, the navigation would become a hamburger navigation to use the limited space on the screen more effectively.

**Home Page**

For the home page, I wanted to display some pictures of the products as you would see on a typical shop front like Sports Direct. I had a basic idea of how I wanted it to look from my wireframe. The first thing that I implemented was a carousel to show images of some of the jerseys available. I also had the shop logo displayed on the website as well. I used code from Bootstrap to get the carousel and edited its size on screen with CSS. I wanted to have text and images displayed on the screen below the carousel and I found a feature on Bootstrap that I liked where it separated sections of text and image and swapped the orientation of the image and text in each of the three sections. In my wireframe, I had an idea of adding a video to the home page, but I decided I liked how the home page looked with the information it had on it, and I also was unsure of what video I would have liked to have been displayed that would have made sense for the website.

**Shop Page**

The first thing I wanted was to set up containers for my Jerseys by using the code from Bootstrap. I got the images working and I had to edit the images with CSS by making the width of each image one hundred per cent as before I had that code in the images were far too large on screen and now in a container of three going across the screen. I then added a second container below the first container for three more jerseys and added the description and price below each of the Jerseys. I had the look of the page working but the add to cart of each page was not working correctly. I had to go into the shop JavaScript page to edit the JavaScript to get the checkout button at the top right corner of the screen the go up by one each time the add to cart button of any of the six jerseys is pressed. There was some basic code done but I managed to edit the code to get all the items working correctly. I then had to get the page responsive for different size screens on different devices. I needed to edit the code to make it so it would display 2 images beside each other on a tablet screen and one image after another on a phone screen. I took some time to get that working but, in the end, I managed to get it functioning.

**About Page**

For this page, I first decided that I would put the contact email and phone number to get in contact with the business in case of a problem. On every page, I have a footer with a contact button that when pressed links to the About page with the contact details. I have also information about the business so users can know more about the business before they decide if this is the business that they would like to purchase from.

**User Details Page**

The user details page allows users to enter their names, email, addresses, etc. There is user information already filled into the page, but it can be edited by typing in the field that wants to be changed and pressing update details. It then saves the new information inputted by the user and displays it.

**Login Page**

This is the login page for the user. The user enters their email address and their password. For this, there is already an email address and password entered in the corresponding fields. If the user tries an incorrect password, they can press forgot my password and it will fill in the correct password that was previously in the box.

**Checkout Page**

For the checkout page, I wanted to try and go a somewhat different direction with it. It had the basic code like the User Details page, but I didn’t want to have the two pages look the same, so I tried to make it look unique and stylish. I looked at some examples on the Bootstrap website for a checkout and used some styling advice for that. It took some time to get it right, but I am happy with the product. It would display a message if the information inputted is incorrect and if the users' information is correct, it will thank the user for the order and give them a link to return to the shopping page. I also added some JavaScript to the checkout.js page so that the information on the user details page would show up in the boxes of the checkout page under the relevant information.

**Wireframe**

Home Page for Desktop

A white paper with a drawing of a website

Description automatically generated with medium confidence

1. This is the login button. It will display when the user is logged into the website and, when clicked, lead to the login page.
2. This is the navigation bar, it will lead to the different shop pages.
3. This is the shopping cart. The number beside it displays the number of items in the cart. When clicked, it leads to the cart for the user to pay.
4. These will be images of popular items and items on sale. I want to make it a carousel so users can swap between images when they click the arrow buttons.
5. This will be text displaying sales to get users' attention and encourage them to purchase.
6. This is a video of a product.

Shop Page for Desktop

A sketch of a wireframe

Description automatically generated

1. These are images of each product available for sale.
2. These are the names of the products and the prices of the products.
3. These are buttons that will add the products to the cart.
4. The number beside the cart will increase when a product is added to the cart.

Home Page for Mobile

A drawing of a wireframe

Description automatically generated

1. This is the login button. It will display when the user is logged into the website and, when clicked, lead to the login page.
2. This is the hamburger navigation that will be used to navigate between pages. I'm using a hamburger nav to save space on the phone screen.
3. This is an image of a popular product or a product on sale to grab users' attention.
4. This will be text displaying sales to get users' attention and encourage them to purchase.
5. This is a video of a product.
6. This will be where the cart is displayed on the screen. I want it to be in the bottom right corner whilst the user navigates through the website and whilst scrolling in the page. The number beside the cart will increase based on the number of products in the cart.

Shop Page for Mobile

A drawing of a wireframe

Description automatically generated

1. These are images of each product available for sale.
2. These are the names of the products and the prices of the products.
3. These are buttons that will add the products to the cart.
4. This will be where the cart is displayed on the screen. I want it to be in the bottom right corner whilst the user navigates through the website and whilst scrolling in the page. The number beside the cart will increase based on the number of products in the cart.

**What I changed from my wireframe**

I made some changes from my wireframe; I changed how the nav looked. I decided to stick with the wireframe that I could get from Bootstrap. I also changed the location of the checkout button; I originally had the checkout button in the nav bar furthest to the right of the screen on the nav bar. But I changed it on my final website version to be at the top right corner of the screen and just below the nav bar. On the prototype for the phone screen, I had the checkout button at the bottom right of the screen, but I decided to leave the checkout button in the top right as it did not disrupt any of the information on the smaller screen whilst being there. I was also unable to get a logo for the login button, so I had to leave that idea for the button on the nav that says login. As stated above on the home page I also did not go with having a video there. Instead, I went with a series of images and text in containers. I was not sure what video I would put on the screen that would have relevance to the website's content, so I decided to not go with the video on screen.

**Reflection**

I was happy with my project as a whole; I got my project to look like the wireframe itself. I found some interesting features through Bootstrap to make the website look more professional for the home page. I changed the location of my checkout from my nav bar to the top right of the screen just below the nav bar. I was unable to get the SASS and minifying files to work and I didn’t get the login to fully work. The page works and the user can log in, but it isn’t required to purchase anything on the website, and it doesn’t have a log-out feature. I would try and get the login page working more efficiently if I were to do this project again. I was happy with the features that I got working such as my checkout page. I spent a long time improving the styling of the checkout to give it a more professional look. I tried a lot of different styles until I got a final product that I was happy with. I was also able to get the shop page like the wireframe that I had laid out. I was also able to get the regex to work for the email in the login page and the first and last name in the User Details page. Overall, I was happy with the final product of my website.