Project Report for Web Design & Development

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# Introduction

This page is a basketball e-commerce site. It is focused on selling basketball hoops all around Ireland

# Link to Github Pages

[add link to your project running on Github pages]

[**https://mateuszweclawowicz.github.io/WebDesignProjectSem1Year2/**](https://mateuszweclawowicz.github.io/WebDesignProjectSem1Year2/)

# Installation/Usage

[Add in here any specific details that will allow the lecturer to test your work – e.g. Username/password combo to “allow” login of the prototype. Also add in any missing elements, functionality not working, etc]

You can test the login and checkout all the required placeholders are in place for a successful login.

My nav bar when on a mobile device messes up with the checkout logo being out of line from the other options

# Design Decisions Made

[For each of the following state briefly what you did and why you did it]

I’ve created my own API to load in the products. This was done so I can load any items added to the cart in the checkout page. I used JavaScript and local storage to manipulate things on the webpage such as items in the cart have unique ID’s which correspond with the API productID.

I went for a basic look on the actual visual design as I couldn’t really come up with any nice designs because I’m not a very creative person in that way.

## Colours, Text and Fonts

[Describe what colours you have chosen and why you chose them]

I chose blue as the background colour as it catches the eye. I made the navigation bar dark, so it contrasts against the blue.

[Explain what fonts and text effects you have chosen and why you chose them.]

I stayed with the default font, so it is as user accessible as possible

## Breakpoints

[List the major breakpoints in your work and describe what changes at the breakpoint]

There aren’t any major breakpoints apart from communicating with the API

## Navigation

[Describe the positioning and styling of main menu and any other navigation your site has]

I decided to stick close to the template as I thought it was straight forward. I changed the user details and login into a dropdown and moved it to the right beside the checkout page. I also replaced the text with icons as it looks more elegant

# Performance

[Explain what you have done to improve the performance of your site, and any changes you could make for a production site.]

I probably could’ve gotten a better way to read in the products rather than making my own API but I ran into problems reading in JSON data from a local file

# SEO

[Explain what you have done to improve the SEO of your site]

I’ve added keywords and description of each page to improve the SEO.

# Accessibility

[Explain what you have done to make your site accessible]

I made the nav bar items have aria-current for each page

# Wireframes

[If the paper wireframes that you presented in October/early November are different to the finished website – explain briefly why this is so? What could you have done differently?]

My finished website differed a bit because I realised that in my wireframes floating the images left for mobile users would actually look bad, so I decided to keep the text under the images. I also didn’t change the nav bar to take up the whole screen with the buttons spread right across it as it would’ve crowded the nav bar, I much prefer my finished website’s nav bar as it is cleaner.

# Reflection on your work

Describe briefly anything you are particularly happy with.

I’m happy with my checkout page and the shop page as I made my own API to be able display the items in the cart in the checkout page

Describe briefly anything you tried which did not work.

Trying to add quantity to the products ordered. The local storage would go strange as I couldn’t add on more items since I disabled the buttons after adding to cart is clicked. I also tried to fix the checkout counter from going up when page is refreshed, and buttons are unlocked which messes with the local storage also because it resets the items and only 3 items might show up in the checkout page while the counter says 5

Describe briefly what you would do differently another time.

I would spend more time perfecting the website and making it more functional and improve the general look and feel of the website as I’m not really happy with the visual design