Project Report for Web Design & Development

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# Introduction]

The website I have designed is a shopping website for phones, which allows you to pick a selection of phones, add them to your basket and checkout.

# Link to Github Pages

https://tshilton583.github.io/TROY\_SHILTON\_S00221754\_WEBDESIGNPROJECTSEM3/

# Installation/Usage

1. The function to login with correct details
2. Having to login before going to checkout
3. Need correct card details to proceed with purchase
4. Checkout goes up when something has been added to cart
5. User detail button and logout button appear once logged in
6. Checkout resets to zero once change / refresh page after purchase
7. Update details, update with the new information added
8. Search query in the shop page
9. Could not figure out how to show items in the basket.

# Design Decisions Made

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

## Colours, Text and Fonts

I used a blue, grey, white, and dark grey / black. I chose these colours because blue it an inviting colour and blends nicely with the other colours black.

The grey and black to make the sections pop out from the white background.

I went with the html default for the font as it is easy to read.

I made the titles blue, added an underline, and made it bold so it pops out to the user and is easy to see.

The text on the carousel has a black shadow behind it because it blended in with the image behind

## Breakpoints

1500px:

Is used for the carousel as the font size by default is big but when brought to a small screen tends to float away so this breakpoint makes it smaller

920px:

This breakpoint shrinks all the text, sections to about 50% - 75%

Resizes the font on the carousel to fit the page

Makes forms go 100% so they look clean

768px

All sections that contain columns will be too small to read without this break, due to this the column of 3 will turn to columns of 1 so the user can read the description of each phone with ease.

All forms have been brought to a smaller size so they can be used on the smaller screen

600px

Forms and columns fill up the 80% of the page so the user has no trouble in reading

500px

And at anything below 500px goes to 100% so no issue for the user in reading or navigating.

## Navigation

On the navigation we have a big home button, so the user knows how to get to the homepage

A shop, contact and about us button beside it

On the far right is where the login button and checkout are located, when logged in the login button changes to user details and logout.

# Performance

I made sure to load my CSS first because if it was at the bottom, it would make the website load not styled for a couple of seconds.

My JS files load at the bottom because they load synchronously which is slow

My JS and CSS files all load externally

Since some JS files do certain tasks and is not needed in every page, I made sure that all pages have the required JS file to function because If I had all of them in each html it would load slower.

I used smaller pixel images for the cards, so the website loads faster

I minified my CSS and JS files, so it removes non used code and redundant data.

# SEO

Each page has a relative title and description

I have alt text on my images in case they do not load for the user.

Use of h1 – h5 tags for the search engine

# Accessibility

Made sure navigation is easy and simple for the user.

Each card has straightforward details about each phone that the user understands.

Readability is not obscured by small screen size at the website enlarges text for the user.

Each section has a heading to describe that section.

User is told correct/wrong password/card details

Kept a consistent design and colours throughout the website

No bright colours to hurt the user eyes

Straightforward journey for the user to make a purchase on the website.

# Wireframes

There is no difference in my wireframe to the website

# 

# Reflection on your work

**Describe briefly anything you are particularly happy with.**

I’m happy with how responsive my website is especially the shopping section.

The search bar feature is really handy for the user and I’m happy with the outcome.

**Describe briefly anything you tried which did not work.**

I tried to make the items you add to your basket appear in a separate window/transition but was too complicated for me to understand.

**Describe briefly what you would do differently another time.**

I would definitely like to improve my contact us page and about us page by adding more details and content to each page.

I would also like to add more JavaScript function like when you click an item in the shop it expands the details before revealing the add to basket button.

All in all I am happy with the outcome of this project and found it enjoyable to do.