DIMASHA VS. THE UNI OF SHEFFIELD

TESTING DOCUMENT

This is probably the only assignment I've had fun working on.

INTRODUCTION AND CHANGES MADE:

Overall I am pleased on how the design of the website has come together. A majority of the design aspects that I mentioned in the design document, I was able to make it come to life. Possibly the only noticeable change is the height of the title on the Home page.

In the previous document I depicted a layout with the title taking up a smaller portion of the window (Fig.1.1). However, I was inspired by websites which had the title front and centre, later would reveal pieces of content as the user explores the website. So I decided to have my title front and centre and add some css animations (Fig.1.2).
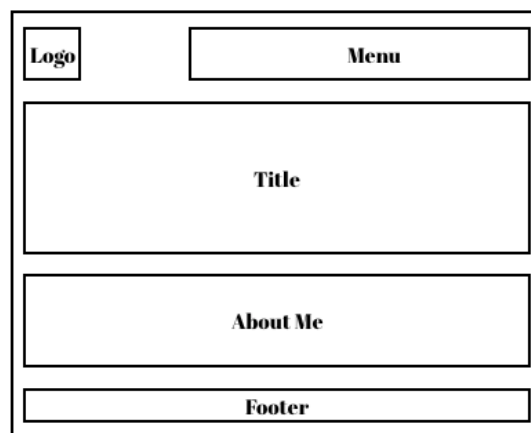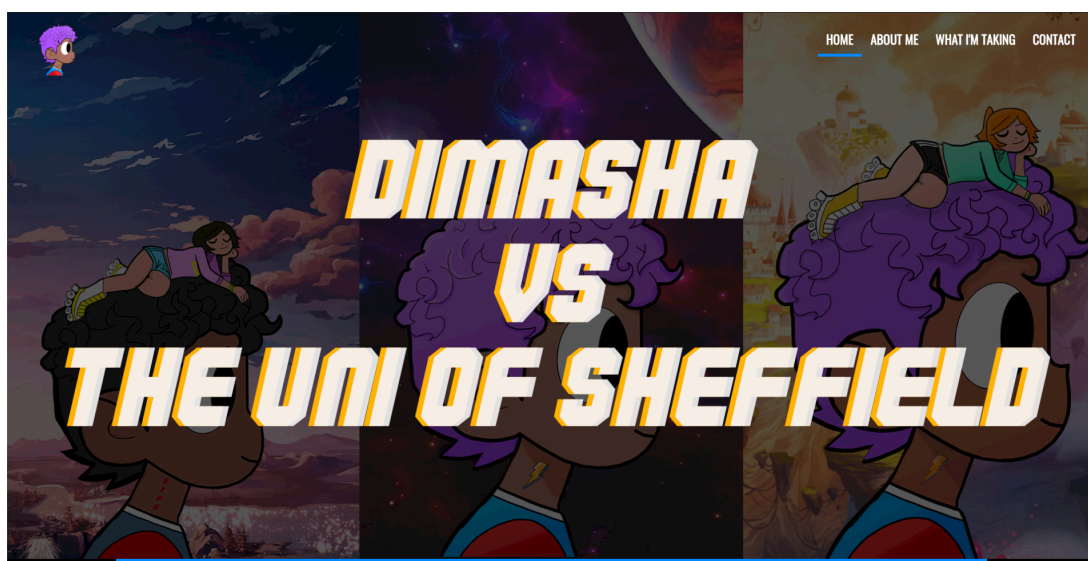

FIG 1.1 - ROUGH LAYOUT IN DESIGN DOCUMENT

FIG 1.2 - SCREENSHOT OF HOME SCREEN

ORGANISATION

HTML: There are only three pages displayed on the menu. The home page contains the about me section because I believe, the first thing the user must see when they visit the website is to know who I am. The page on module description contains l inks to the canvas page and the quiz. This was the only way that made sense ensures a flow in the website. Finally the accessibility statement is linked to the footer on all pages.

CSS:There is one main css document that dictates the all the major styles of all the pages. I have created a separate css file for the canvas page and quiz page. These special css files run in parallel to the main styling sheet and only control page specific designs.

JavaScript: There are three javascript files. One dictates the canvas page, another dictates the quiz page and the final one is a general purpose javascript file that controls the menu and any other small functions found throughout the website.

Menu: The menu is still carried on from the design document. However, I decided not to go through with drop down menu for the "What I'm taking" option. I thought it would be confusing for first-time users, scrolling over to that option and seeing "Take a quiz." I believe that this would be off putting for everyone. So the links to the quiz page is at the bottom of "What I'm taking" page.

Files: All html files are in the main folder. While images, javascript and css files have their own respective folders. This is what I found seemed to be the common practice in some websites that I have inspected.

OPTIMISATION

I only have a couple of pages (namely the homepage) that are image-heavy. However, I have tried to decrease the size of them but still maintain quality to create a balance between loading time and quality. The other pages don't necessarily have that many images or any at all. There is only one main css page. Once it's done loading, it works on every page.

SECURITY

The largest issue is that hackers might be able to snoop at the communication being sent through the form. I could not come up with a secure option through coding but I did warn users to send more sensitive messages through email and not through the form.

During Lighthouse testing, the website uses HTTPS, however does not redirect HTTP traffic to HTTPS

DEBUGGING
I used a CSS validator by codebeautify.org (https://codebeautify.org/cssvalidate). A majority of my errors came from the fact that my rules were not listed in alphabetical order, which I don't is a much of an issue. The validator suggested to use 'instead' rather than @import but when I tried it, I got an error.

LEGAL
I have used three images that have copyrights:
        A picture of MiRo - credits have been given next to the photo
        Ruby logo - free to share, have to give credit (https://www.ruby-lang.org/en/about/logo/)
        University of Sheffield logo

TESTING

On the right (Fig 2.1) a screenshot of my homepage displayed on a iPhone 7 using Firefox's Responsive Design Mode.

During Lighthouse testing a majority of my pages ranged in the 95 - 99% Performance range while Accessibility test scores ranged from 66 - 74% (Fig 2.2)
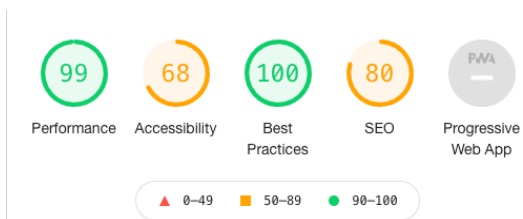

**FIG 2.2 - LIGHTHOUSE TEST ON HOMEPAGE
(DESKTOP VERSION)**

**FIG 2.1 - MOBILE VIEW OF THE HOME PAGE
(FIREFOX DEVELOPER EDITION)**