**README – Amy Pridding**

Accessibility features

* I have added a [Dark Mode widget](https://stummuac-my.sharepoint.com/personal/21104416_stu_mmu_ac_uk/Documents/Dark%20Mode%20widget) to the page to allow users to toggle between the light and dark mode on the site. Having both options available enables users to choose which option works best for them and aids the way they read online. Dark mode can be beneficial as there’s less screen glare aggravating the user’s eyes whereas, in light mode, the screen can light up their faces. Furthermore, dark mode can be effective in increasing the user’s focus as the screen content would stand out more against the black. This can be accessed from the floating switch button at the bottom left of the site, or via a keyboard (Ctrl + Alt + D on windows and Ctrl + option + D on Mac). This gives the user a choice, making the site is more usable and delightful for them to experience.
* There is an option to change language available for users at the top left of the page. This makes the website accessible for a wider range of users those first language may not be English.
* The website is screen reader compatible and has been tested on both Mac and windows. And allows for keyboard-only navigation.
* Colour contrasts are WCAG AAA compliant

Text

Description automatically generatedText

Description automatically generated with medium confidence

* All images have alt tags
* Video has closed captions
* Content structured using HTML5 (nav, figure/figcaption and label tags are good examples of this)
* The government has officially advice on how to build a website catering for the different disabilities which you could reference, the posters can be found here <https://github.com/UKHomeOffice/posters/blob/master/accessibility/dos-donts/posters_en-UK/accessibility-posters-set.pdf> and your site loads of stuff that’s in the “Do’s” section for each poster so you can mention how each accessibility measure you have helps specific disabilities.
* Graphical user interface, text, application, email

  Description automatically generatedI used Lighthouse to analyse the current accessibility. Lighthouse performs tests on elements such as buttons and links to see easily the page can be used by people with disabilities. The audit will produce a list of these tests results so you can see which areas of the page can be improved to become more accessible to users. Examples of tests ran are checks for alt tags on images, appropriate descriptions on links and visual content being compatible with screen readers. As you can see, the website passed all the tests and even got a score of 100 on accessibility.

Code considerations

* I used this site to look at examples of good coding techniques <https://code.tutsplus.com/tutorials/top-15-best-practices-for-writing-super-readable-code--net-8118>
* I used comments in the code to explain what functions do and what certain section of HTML are for making it easier to identify what section you’re looking at.
* Consistent indentation makes it a lot more readable, i.e.:

<body>

<h1>Hello</h1>

</body>

* Simply leaving empty lines to split code into obvious blocks makes it more readable, here’s an example Graphical user interface, text, application

  Description automatically generated
* Consistent naming scheme, all CSS classes and IDs use hyphens to each separate word (e.g., dark-mode) and all JavaScript names use camel case which is the best practice (camel case is where the name is all one long word, you start with a lower case and use an upper case to show a new word has started like this: myFunctionName)
* The code doesn’t violate the DRY principle (DRY stands for don’t repeat yourself), in the JavaScript I made function for adding and removing CSS classes to lists of HTML elements, so rather than repeating the same code repeatedly, it just calls the function each time Text

  Description automatically generated
* Another simple one for readable code is using meaningful names for CSS classes and JavaScript variable, it should be obvious to a person what something does when looking at the name of it for the first time
* Code passes HTML and CSS validation with no errors

Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated