UNIVERSITY OF
LINCOLN

Web Authoring Report

CMP1130M-1718

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Website : https:// hedley97.github.io

Contents

Introduction

The assignment for Web Authoring (CMP1130M) module was to design an interactive website and to implement current web specifications and standards. We had to select a 'Band or Brand' that we could use our development skills to develop a completely new responsive website. We could use existing imagery and text to create our own

Further to this was that we had to examine the strengths and weaknesses of current website specifications and standards.

To ensure quality of user experience the assignment had a list of required features. These could be implemented using JavaScript, jQuery and Media query's. The website must include hyperlinks, text effects, multimedia, local storage, geolocation, compatible with other screen sizes and advanced JavaScript. Further to this we were required to complete wireframes, mood boards and sitemaps to ensure the website development process was completed correctly.

Website Specifications and Standards [LO1]

Web standards are the formal, non-proprietary standards and other technical specifications that define and describe aspects of the World Wide Web. Web standards include many interdependent standards and specifications, some of which govern aspects of the Internet, not just the World Wide Web. Even when not web-focused, such standards directly or indirectly affect the development and administration of web sites and web services. Considerations include the interoperability, accessibility and usability of web pages and web sites.

(Wikipedia, Web Standards, 2017)

Using the newest website standards will allow programmers to update and maintain websites smoothly. This will also allow for websites to be able to be used across different browsers meaning more people can use them. To produce this the presentation of the content on a website must be divided by using HTML5 documents, external CSS3 styling and JavaScript functionality. Adopting the newest website standards would also preserve the websites technologies so that it could work in the future on new web technologies. When developing websites, it can take a long time therefore writing web pages in accordance with the standards shortens site development time.

(The Web Standards Project, 2002)

Despite this there are limitations to using current website standards and specifications which have differing impacts on the website. Those involving the developer include much stricter coding and limiting the way websites and functionality can be implemented. Better workmanship is needed. Making websites to Web standards requires: a good knowledge of the major browsers' frailties, and the workarounds; testing on Windows and Mac machines to check one's work. Following the website standards and specifications can also lead to similar website designs with less creativity.

Website Functionality [LO2]

The functionality of a website is the interactive part of the site - that which allows the visitor to respond in some way, thus turning the visitor into a customer. To meet the current website standards for HTML5 current elements, classes and ids were used. This is to be able to identify what element was used to create any piece on the website. This made editing the code a very quick and easy process, as ids and classes etc where more accessible and took less time to get to.

Further to this, comments were added to improve the clarity of the coding as some ids and classes may be obscure to the person looking at the code.

Each individual page had the same head element, linking the same JavaScript, CSS and font files. This was so that these external pieces of code could be used before the rest of the page could be loaded. All of this made the overall presentation of the website flow, as there was consistency with every page.

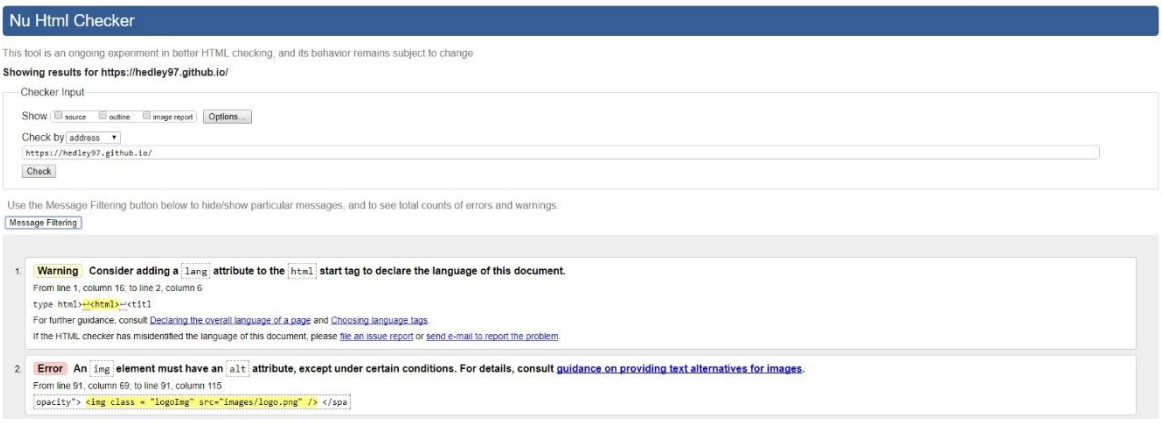
Shown below is the head for each page.

```
<!Doctype html>
<html>
<title>CMP1130M Web Authoring</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="css/styles.css">
<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Lato">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

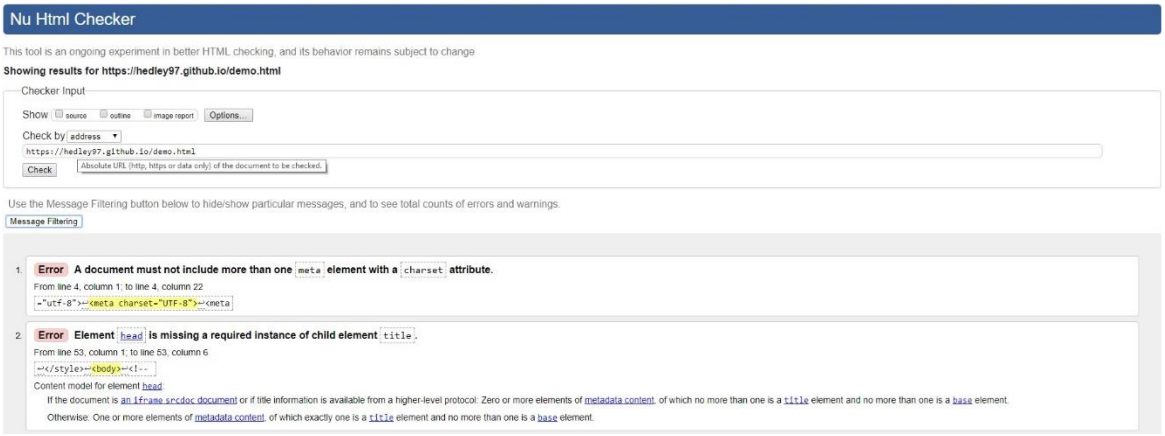
The finished website has been tested on multiple web browsers to make sure that there is accessibility and that the website is functional on these platforms.

Website Standard Evidence[LO3]

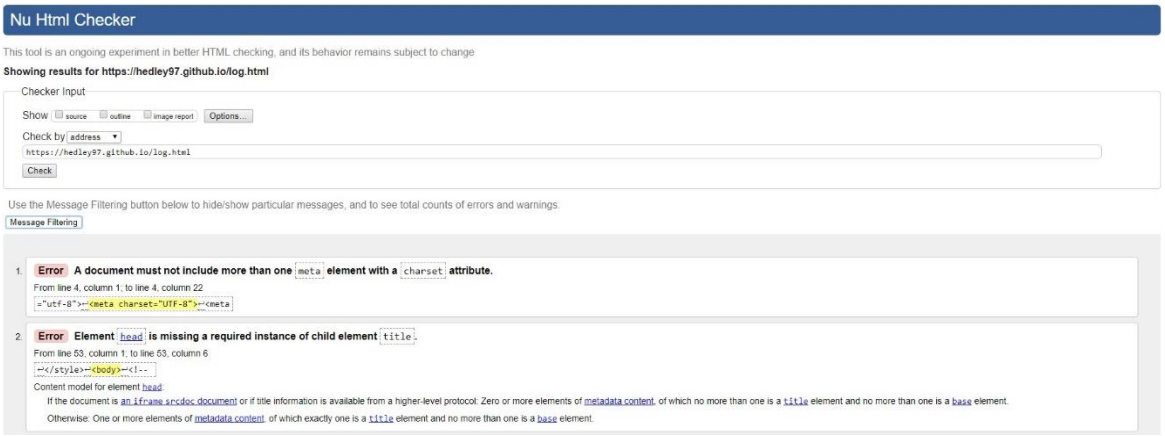
Below is the W3C validation of the website pages Index page:



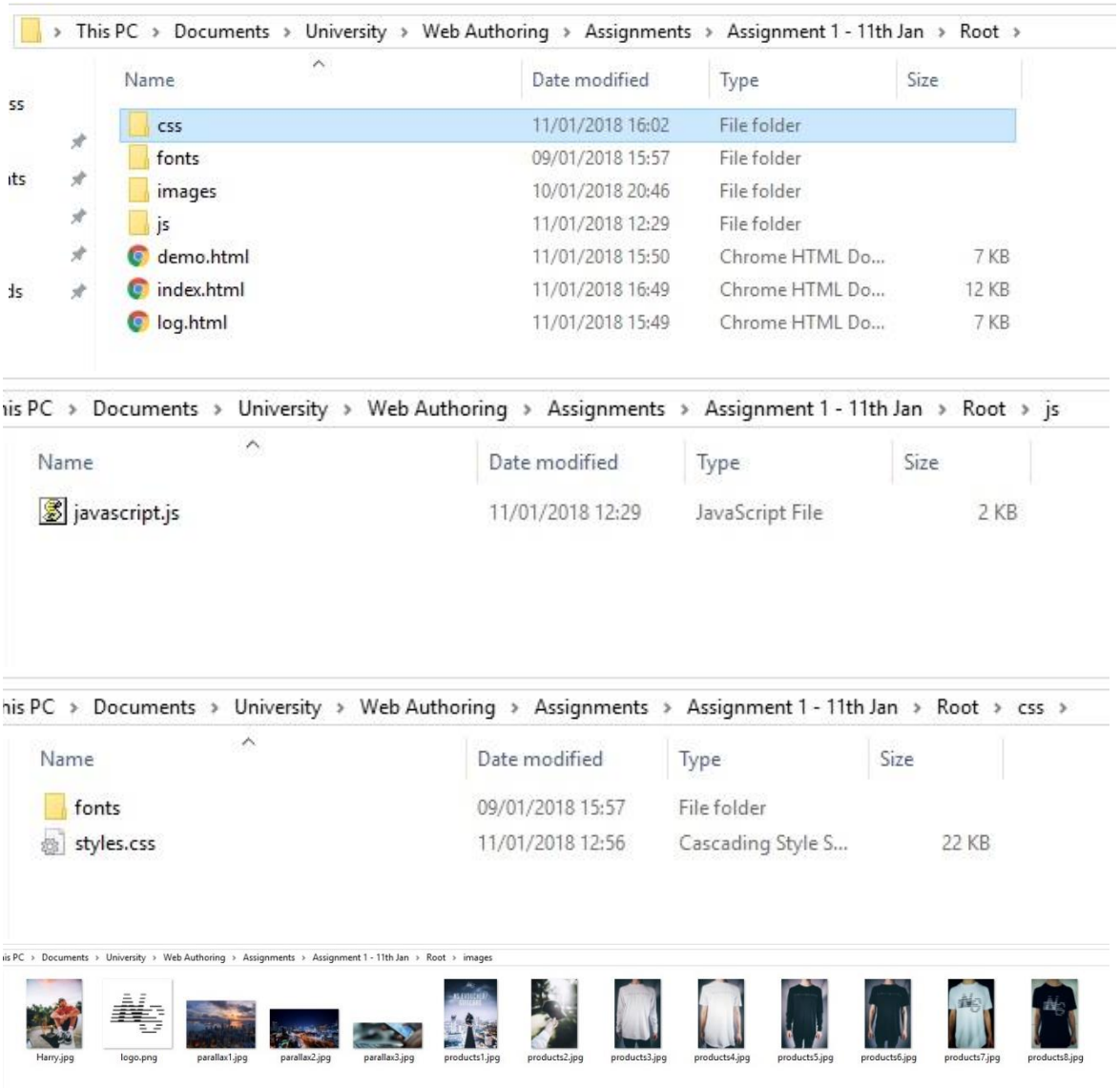
Demo Page:



Log Page:



Below is my file organization/structure



Bibliography

The Web Standards Project, 2016. What are web standards and why should I use them? [Online] Available at: http://www.webstandards.org/learn/faq/#p2 [Accessed 29th December 2017].

Wikipedia. Web Standards [Online]

Available at: https://en.wikipedia.org/wiki/Web_standards