



Edge Hill
University

WEB DESIGN & DEVELOPMENT 2022

Robot juice report

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Plan

Mobile structure plan of index page

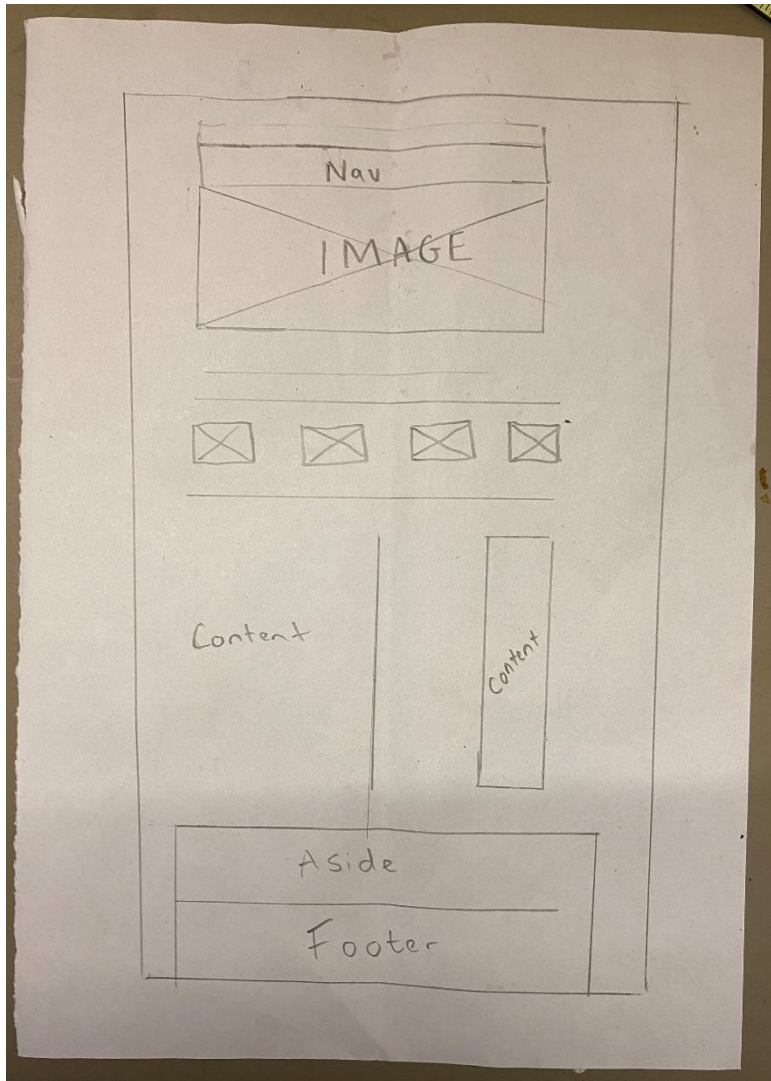


Figure 1

Mobile structure plan of product page

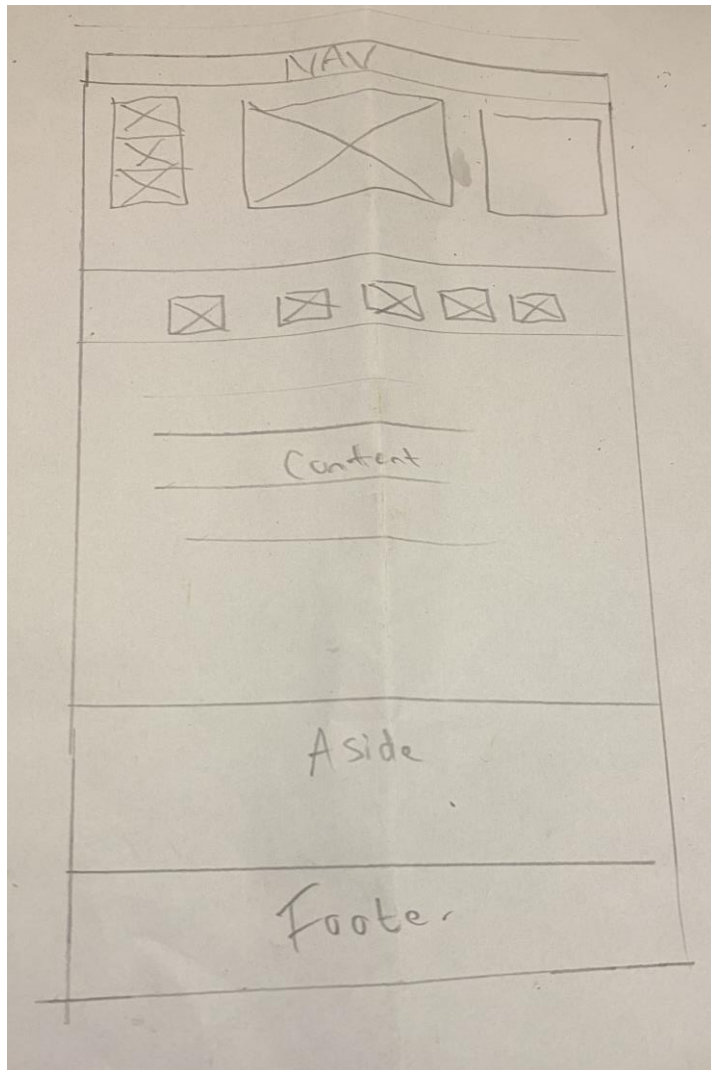


Figure 2

Validation

When building the robot juice website there were various means for validation to ensure that the website that is being built using the vs Studio is syntactically correct and problem free. The method in which was used to check for the validation of the website was

- **Used HTML validator and CSS on this website**

When checking if the code was valid ,the html and CSS validator was used in order to figure out the end result. The importance of the validating the code was to ensure that syntax errors ,typos and broken links are avoided which can affect the functionality and appearance of your web pages.

Validating the html

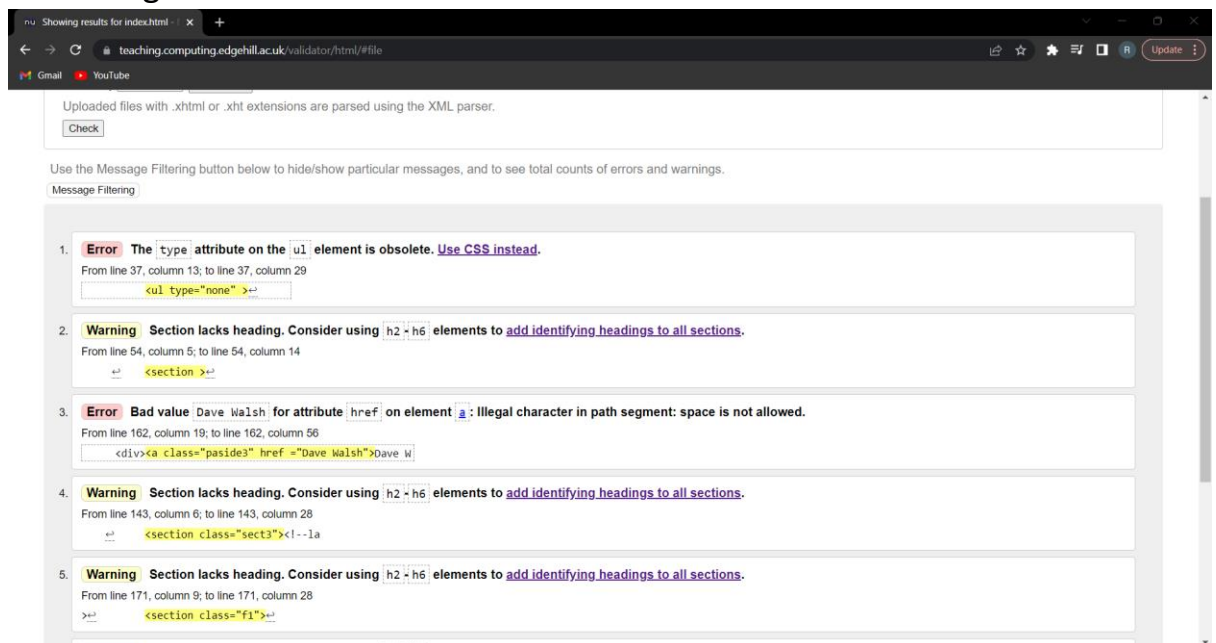
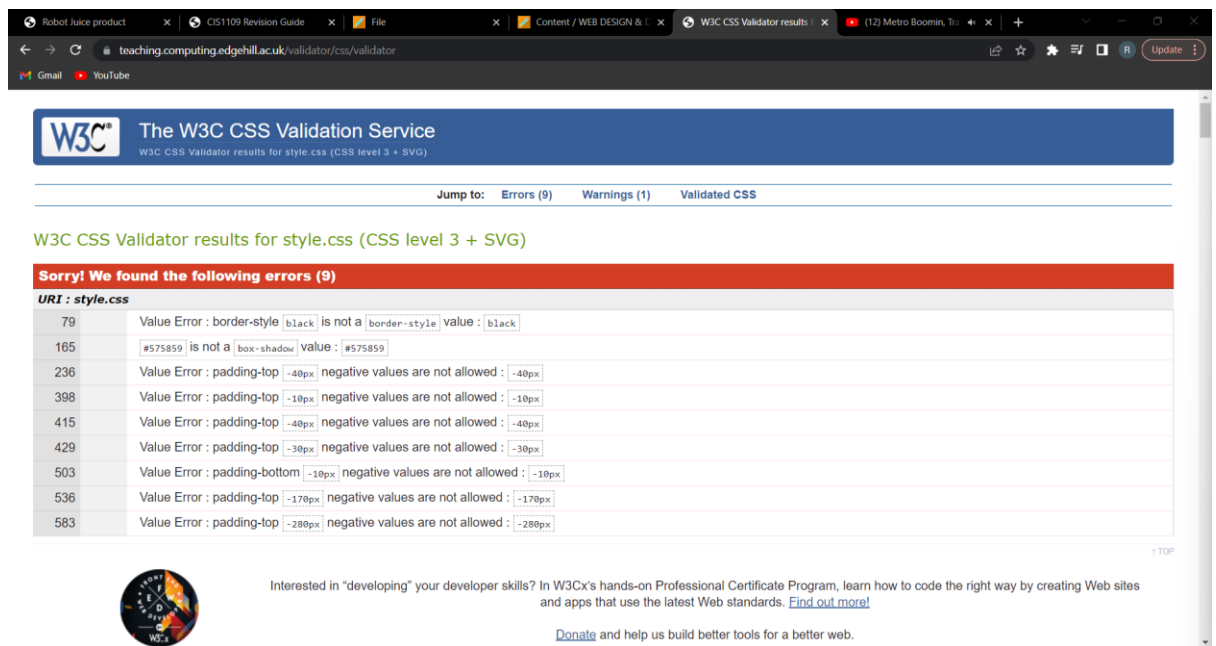


Figure 3

Validating the css



The W3C CSS Validation Service

W3C CSS Validator results for style.css (CSS level 3 + SVG)

Jump to: [Errors \(9\)](#) [Warnings \(1\)](#) [Validated CSS](#)

W3C CSS Validator results for style.css (CSS level 3 + SVG)

Sorry! We found the following errors (9)

URI : style.css

79	Value Error : border-style <code>black</code> is not a <code>border-style</code> Value : <code>black</code>
165	<code>#575859</code> is not a <code>box-shadow</code> value : <code>#575859</code>
236	Value Error : padding-top <code>-40px</code> negative values are not allowed : <code>-40px</code>
398	Value Error : padding-top <code>-10px</code> negative values are not allowed : <code>-10px</code>
415	Value Error : padding-top <code>-40px</code> negative values are not allowed : <code>-40px</code>
429	Value Error : padding-top <code>-30px</code> negative values are not allowed : <code>-30px</code>
503	Value Error : padding-bottom <code>-10px</code> negative values are not allowed : <code>-10px</code>
536	Value Error : padding-top <code>-170px</code> negative values are not allowed : <code>-170px</code>
583	Value Error : padding-top <code>-280px</code> negative values are not allowed : <code>-280px</code>

Interested in "developing" your developer skills? In W3C's hands-on Professional Certificate Program, learn how to code the right way by creating Web sites and apps that use the latest Web standards. [Find out more!](#)

[Donate](#) and help us build better tools for a better web.

Figure 4

- **Check using Google consistently on the device**

When designing the website page , consistently checking it on Google to ensure that it ran and gave the proper detail was another way in which validation was used.

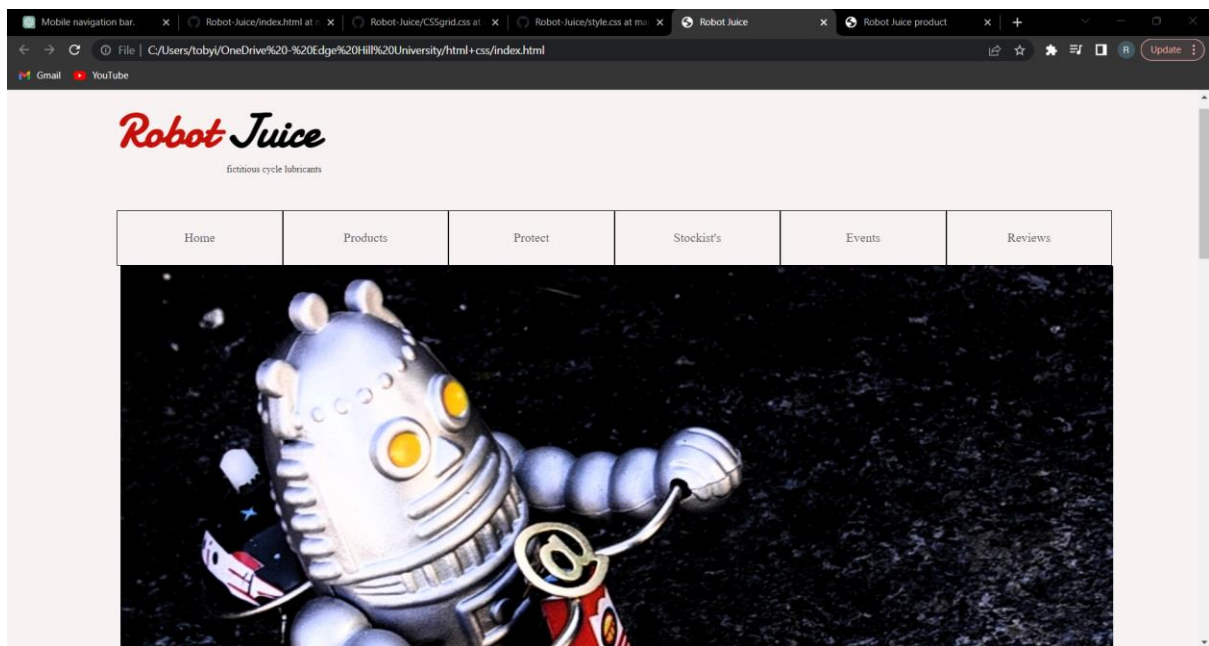


Figure 5

- **Checked using mobile phone**

To ensure that the website was able to run on a mobile phone and show the content which was planned before starting to build the website.

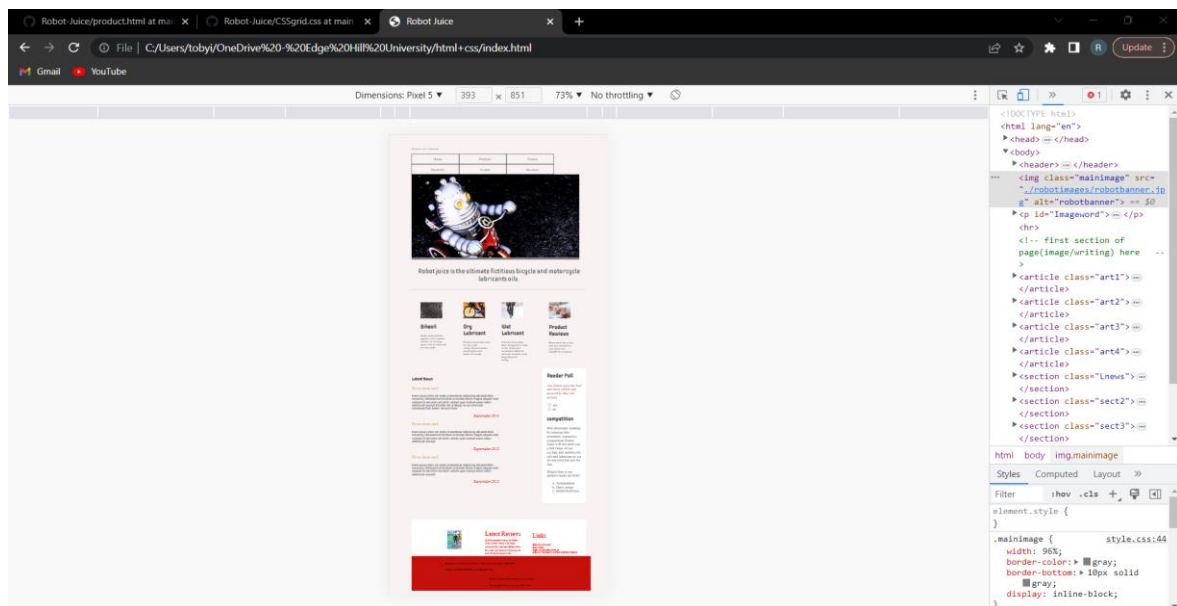


Figure 6

Evaluation

When building and designing the website the major challenges include:

- **Website performance**

When building the robot juice website, one of the major challenges that were faced was ensuring the website gave the correct layout which was required. When using the CSS style sheet to design the two pages, it took a large amount of time and research to enable that the page was aligned with what was given.

- **Design Layout**

Another challenge when building the website was plotting the design for mobile users. This was a challenge because a large amount of content was required to fit a smaller screen and also had to have particular traits such as being attractive to the user. There was a lot of time spent doing some research to ensure that this challenge could be faced. an example of this could be seen in the code when it came to organising the product page in a mobile phone structure.

- **Technical issue**

The final challenge that was faced where technical individual issues. Building the Robot juice website requires technical knowledge and skill and a deep understanding on how various web development tools and languages, such as HTML, CSS and JavaScript. When designing the page there were multiple features that required further research to enable the page to look as accurate as possible.

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