

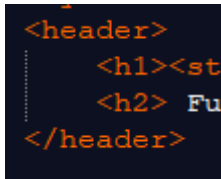
FUNDAMENTALS OF WEB DEVELOPMENT REPORT

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SEMANTIC MARKUP

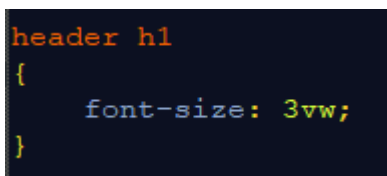
For this project I utilised several semantic elements such as header, footer, aside, section and article. These tags allowed me to specify certain areas of the HTML document within CSS a lot easier, allowing for more efficient and precise styling. Using these semantic elements also made my HTML code a lot more readable, organised, and modifiable. External editors would be able to edit the pages and navigate with relative ease via the semantic elements.

For instance, within my document I used the <header> tag to specify everything on top of the page



```
<header>
  <h1><st
  <h2> Fu
</header>
```

Within the header tag there was a h1 and h2 element. I used h1 and h2 elsewhere in the document, and thus the header tag allowed me to specify these two elements precisely.



```
header h1
{
  font-size: 3vw;
}
```

The alternative to using semantic markup would be to use div classes and id's. However this could cause my HTML document to become very unreadable due to unique tags that are not easily recognisable. The classes I would create would not be universal and could therefore cause confusion to an external editor.

(I did still use classes within my project, however these were used exclusively for navigation purposes and extreme precision when styling the document. Using semantic elements in conjunction with classes allows for this specificity)

WEB TECHNOLOGIES/Frameworks

Within this project, I utilised HTML, CSS, JavaScript, PHP and MySQL. This is due to their universal and widespread nature, as well as their ease of use and large amount of documentation. However, there are several other frameworks that may have been useful within the development of this project.

BOOTSTRAP

This is a framework that allows for easy construction of stylised mobile pages. Bootstrap allows you to ignore CSS entirely and ensure all styling is directly embedded within the HTML document. It utilises a flow layout that makes it easier to transfer web pages to a mobile friendly layout.

Source: <https://getbootstrap.com/>

JQUERY

This is another framework that I could have implemented within my project. This would provide extra functionality to my JavaScript. Utilising JQuery would allow me to perform more advanced functions much easier, for instance I would be able to easily add animations to my page when certain buttons or actions are performed. This would boost the aesthetics of my page and thus attract attention, more so than it currently does.

Source: <https://jquery.com/>

ANGULAR

This framework could be implemented to also increase the aesthetic performance of my website. This would be mainly used within my HTML document. It is similar to Bootstrap in that it would allow for me to create mobile friendly webpages easily. However, Angular is very powerful due to its increased aesthetic capabilities allowing for websites similar to apps.

Source: <https://angular.io/>