Fundamentals of Web Technology Report

**Semantic Markup Report:**

Semantic Markup is an important aspect of using HTML. Although it may have little effect visually on how a webpage looks. It is a tool allowing the programmer to organise the code by grouping related elements together. This helps the programmer find errors that lead to improper webpage presentations.

Semantic elements can also be labelled so that other languages such as CSS and Javascript can be used to find, alter, and stylise specific elements of the website. Currently, I have used a number of semantic elements within my code with one of the most common being ‘section’. In my homepage, ‘sections’ often come labelled with many different names such as ‘intro’ and ‘sidelinks’ allowing CSS to stylise them accordingly

Other semantic elements used within my site include, but are not limited to, ‘body’, ‘div’, ‘article’, ‘Figure’, etc.

**Web Technologies/Framework Report**

A Web Framework allows for the easier deployment of a website onto the internet.

Currently I am using Xampp—a web framework—to help create and run my website, allowing to make use of a mySQL database to pull and store site information.

However, if I were to redo parts of the project, I would like to incorporate Java, as I feel it is the language I am most proficient with. Consequently, using technologies such as Java Server Pages (JSP) or Java EE would allow me to incorporate language into my website and thereby making it easier to introduce more complex aspects to my website.