**Tools used for this assessment**

Learning a new language always has its challenges, but when using HTML, I didn’t encounter any major issues. Had I wanted to create a very sophisticated website however, I’m sure the process would have much more difficult and involved. In this case the purpose of my website was to be functional and display the work I had done rather than be ‘flashy’. The tools I used to build my website included; Visual Studio Code, W3chools, Microsoft Edge and GitHub Desktop.

Visual Studio Code: VS Code is a source code editor that I used to write and build my website. The editor is very straight forward to use and having the embedded Git control was helpful when it came to keeping track of the changes I’d make to each document. Similar to Visual Studio, VS Code also utilizes intelligent/predictive code completion that assisted in speeding up the development process.

W3chools: This website was very helpful when it came to learning about HTML and what I could put on my website. I used W3schools to learn how to format, organise the layout and embed media and hyperlinks. If I had a question about adding something to by project or an aspect of HTML, this would be the first place I’d look to for information.

Microsoft Edge: Microsoft Edge is what I used to view the output of my code and my HTML files, it also supported the WebGL build of my game.

GitHub Desktop: GitHub is what I used to back up my files and practice version control. This included any HTML files, WebGL files, images or documents I used for this assessment.

All of the tools mentioned successfully assisted me in achieving my goal of developing a functional website.

**Website Requirements**

* Function over fashion.
* Clear navigation.
* Colour scheme that doesn’t clash.
* Displays relevant information.

**CMS Pros and Cons**

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| **CMS** | **Pros** | **Cons** |
| WIX | * Highly customisable. * Great for small-businesses or portfolios. * Constant updates and improvements. * Easy to use, anyone can use it regardless of background. * Many features that cover various markets and individual needs. | * Adding in additional code or features that WIX doesn’t already provide can difficult. * As a platform or a business grows WIX can make Search Engine Optimization difficult. * No way to export or move data. * Having a paid plan doesn’t guarantee the removal of WIX ads form a site. |
| WordPress | * Highly customisable. * Easy to use, anyone can use it regardless of background. * No additional software is needed. * Being browser based is an advantage and makes it flexible. * In-built blogging platform that can be useful for portfolios and progress tracking. * Regular updates help maintain security | * Frequent updates can cause issues for projects. * Prone to bots or hackers due to WordPress being an open-source platform. * Because of unnecessary or excess code some themes may slow the load time or functionality of you’re the site. |
| Drupal | * Highly customisable. * Highly scalable and adapts to growth. * High quality and durable security. * Flexible and able to manage an array of content and media types. | * Being considered as an advanced CMS means that a good deal of technical experience (although this can also be considered as a pro) and can be difficult for first-timers to navigate. * Technical experience is also required when installing it. * Not compatible with older systems. * Whilst being very scalable, compared to other CMS’ it is considered to fall behind. |