**Develop Coding: Assignment**

**Student Name:**

Q1. Describe the purpose of using IT in creating your website and how you will use IT to plan and carry out the necessary tasks. (How will you plan your website, what audience is it aimed at? How will your use of IT achieve the required outcomes in your plan?)

I am using a Lenovo, Ryzen 3, flex pad 5 to complete my IT work and to carry out all the necessary tasks to complete my workload.

I used Trello, a online template to create workflow charts to be able to keep up to date with my planning, workflow and work priorities.

The audience that my website is aimed it would be anyone currently in the Warhammer hobby or anyone that is new to the hobby and would like some insight or guidance in what to expect in the hobby itself.

I will achieve my required outcomes by using Visual Studio Code to write the code I will need to create the desired website using HTML for the content and CSS for al the aesthetics of the website e.g., color, structure, and functions etc.

Q2. Describe methods, skills and resources needed to complete your website - explain what IT systems and software applications you need to be successful in your website project, and how you will use them (Describe at least one method, skill and resource needed to complete your website)

To complete my website, I had to utilize the skills that I had learnt while on the Code Nation bootcamp, Coding course, which my coding Instructor Will had taught me. Using HTML and CSS files in Visual Studio Code editor.

For example, using flexboxes to change and align my text and images allowed me to adjust these files more effectively and make all the content on my website look more aesthetically pleasing.

The most useful resources I used was of course the limitless coding knowledge of my coding instructor Will, who have me advice on what to use in my HTML and CSS files.

Another useful resource would also be, the Code Nation slides and prestation documents as they were very helpful to look back on for reference when I had to readjust certain aspects in my files to amend my website.

Q3. Describe the legal guidelines and risks that might impact your website project - how does GDPR and copyright affect website development?

The risk that might impact me developing my website for this project was that fact that I used several images from another website. Even if these images were readily available on the internet, I still made sure that on my home page of my website I included a Footer note which stated that the original company had all right reserved over those images I used and that I wasn’t using them for anything more than my fan-based website.

Researching the legal requirements for websites in the UK and the copyright and GDPR laws state that everyone is responsible for using personal data and protecting that of themselves and others personal data.

Furthermore, the Copyright laws state that all original content created on a website is secured by copyright law.

Q4. Review the ongoing use of IT tools you have used for your website and describe whether they are appropriate - what are the benefits and drawbacks of IT tools and systems used? (Are you happy with the tools you used?)

The IT tools I used to help me create, plan, and develop my website were as follows:

Visual Studio Code – this application/software was essential in writing and developing my website.

Visual Studio Code allowed me to write the code in HTML and CSS files that would then become my website.

Slack – This online application is a way for me and my course instructor to communicate, share my computer screen when I requested help or advice on aspects of developing my website and for the instructor to message me and share content such as zoom links, slides, and other useful resources to have at my disposal.

Trello – Trello is an online resource that allows you to build a planner by using a pre-made template or to make your own.

Before my coding course I had ever used or heard of Trello, and I was a little skeptical in using it.

However, once I had started using it and figured out how to use most of its functions, it was a good visual representation showing me what I should be working on and what parts of my website I should be prioritizing my workflow.

Q5. Describe how you would test your website to make sure it looks as intended. What kind of files have you used in your website and explain why you have chosen those filetypes. How can you test your website to ensure it is accessible to people with disabilities? Describe how you can overcome potential accessibility issues with your website

I managed to test my website by opening the file up in an online browser. In this way I could see how my website visually looked and I could see errors, bugs or if I needed to change something to make it look more appealing.

The coding files I used in Visual Studio Code were Hypertext Markup Language (HTML) and Cascading Style Sheet (CSS).

I used these specific coding languages as they are considered the most user friendly and well used website developing languages in the world to create and develop websites.

One way to test my and other websites for accessibility for people with disabilities would be to use a screen reader. Furthermore, overcoming potential access issues from people with disabilities, such as people with visual impairment, can be overcome by using descriptive containers, division and tag name elements in the coding files themselves.

Q6. Describe ways to improve your productivity and efficiency throughout this project (how can you make sure you are using IT tools and systems in the most effective way?) If you could have been more productive or efficient, how would you implement this for a future project?

The ways in which my productivity and efficiency could have been improved, would have been to use utilize the planner that I had created in Trello.

The Trello planner as essentially there for me to monitor my workflow and prioritize certain parts of my website project, by delegating specific time to each piece of my project.

Furthermore, using extensions in the Visual Studio Code helped me code more efficiently as it provided simple but effective means to coding.

If I could go back and start the website project again, I would dedicate more time at the start in doing more research for ideas and spend more time looking at website examples to give me more ideas on how I would want my website to visually look.

Also, I would prioritize my workflow more effectively by writing all the HTML files first to get all the content down that I wanted to include in my website and then use CSS to change the visual appearance. As I am aware that I spent more time than I needed in CSS to make my website look appealing.

Q7. Describe the final version of your website (what is the content and layout for each page?), assess the strengths and weaknesses and describe further improvements you can make to your website. Is the website fit for purpose? (did you achieve what you set out to do in your plan?)

The final version of my website is very simple and as I hoped very easy to navigate. It consisted of a home page – which gave brief descriptions of the content I had on the page about a hobby I enjoy doing. Then using a navigation bar located at the top end of the home page I used links to my two other pages.

The second page was all about a podcast that I have produced for some time and that I gave a description to it and what I covered on my podcast and then embedded a link to my podcast and a NHS information page about mental health as I talk a little about, that was one of the sole reasons I started doing my podcasts.

The third page to my website, consisted of several pictures that I had uploaded of miniatures that I had painted and giving some descriptions underneath each picture to highlight a painting technique I used or just describing that miniature.

I believe the strengths of my website is that it is very basic and easy to navigate to the different pages that I have created.

I have included several links to other pages on the internet to sites that I believe would be useful to anyone who would view my website pages. For example, Core rules for the actual game of Warhammer 40k, if anyone was interested in playing, they can access these from my website.

Furthermore, I think the set out of my website is a strength, due to the fact it is easy to read, all the content on each page is centered so everything can be read, relatively easily.

I think my website does have several weaknesses. For example, I think the pages could have been improved a lot more with some simple changes, such as using more styling on the pages to make them look more unique, which could have been achieved by using more complimentary styles that fitted with the theme of my content.

I believe that I did achieve what I had set out to do from the task I was set. I created a website that had three pages. And they contained several key factors in the coding such as using – class and id tags and utilizing flex boxes.

However, I think there was a large room for improvement, and I could have included more content in the coding and styling of developing my website and will take this away from this exercise and implement it in future website development projects in the future.

Q8. Take a screenshot of your website homepage working in two different browsers. (Make sure the GitHub Pages link is visible in the screenshot).

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| **Develop: Coding - Assignment Mapping Document** | | | | | | |
| **Questions** | **Q1** | **Q2** | | **Q3** | | **Q4** |
| TLM Criteria | 1.1.1, 1.1.3, | 1.1.2, 1.1.5, 1.1.6 | | 1.1.4, 1.1.7, 2.1.5 | | 1.2.1, 1.2.2, 1.3.1 |
| **Questions** | **Q5** | **Q6** | | **Q7** | | **Q8** |
| TLM Criteria | 1.3.4, 2.1.6, 2.1.7 | 1.3.2, 1.3.3 | | 1.2.3, 1.2.4, 1.2.5, 2.1.1, | | 2.3.1 |
|  | | | | | | |
| **Website** | | | | | | |
| TLM Criteria | 2.1.2, 2.1.3, 2.1.4, 2.1.8 | | 2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.5, 2.2.6 | | 2.3.2, 2.3.3, 2.2.4 | |