Develop Coding: Assignment

Student Name: George Dewhirst

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 web-site, what audience is it aimed at? How will your use of IT achieve the requiredoutcomes in your plan?)

I will plan my website using a Trello board to brainstorm ideas and split the work up into tasks needed to complete the website. It is aimed at students who are looking for a maths tutor. I will use HTML and CSS to complete the website.

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

I will use HTML to create the resources on the website, i.e. text in paragraphs, images and titles. I will use CSS to stylise the content so it looks appealing. I am also going to use Visual Studio to edit my code.

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

I won't store the information that is collected from my users. I understand that I have to gain consent of all the users I collect data from and that I have to include suitable data security measures in my website design.

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

I am happy with the tools used but would like to use javascript in the future as well so I can learn that language. HTML and CSS are easy to get to grips with and allow a beginner to get started with website creation quite quickly. With HTML and CSS it is easy to import premade website features.

Q5. Describe how you would test your website to make sure it looks as intended.Describe what kind of files you used in your website and explain why you havechosen those filetypes. How can you test your website to ensure it is accessibleto people with disabilities? Describe how you can overcome potential accessibil-ity issues with your website.

Test the navigation buttons on each page to see if they work. Test out the embedded PDFs to see if they display the correct documents. Test out the embedded python game by playing it with different inputs.

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?

I worked on the website and learned about web development at the same time. In the future I might do the learning first to get a better idea of what is possible with the HTML and CSS languages. Then I could more effectively plan the end result.

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?)

Yes I achieved the goals set out in my plan. I had a MVP which was to complete the index, about and contact pages. I added two extra pages as extras to the MVP and finished completing those too. They were the masked bandits game page and the website development page.

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

Microsoft Edge   Mozilla Firefox