Develop Coding: Assignment

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For each question which includes 'describe' or 'review', write at least a paragraph worth of content to explain your answers. Include any other relevant evidence where appropriate, i.e. links or images.

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.

My website idea is to replicate a website I have already done in the past with Wix, but this time with HTML and CSS. The aim of my website is to create a Personal Page, which works as a CV and showcases my projects, my coding skills as well as giving my audience a bit of my background. The audience would be people that are interested in my work, future employers, colleagues etc.

The tool I will use to organize my website is Trello, which will help me to dissect the tasks and prepare an execution plan. I will use Visual Studio Code to code my website and I will do some research online when trying to come with solutions for the needs of 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 in your website project, and how you will use them.

Method: While planning my website I first made a list in my Trello board of the assignments spec, once the very basic website was done, I moved to more details. My method was to create a plan to meet the spec, research the basics to create my website and to execute the plan. Once the basic website was done, I moved to refine some of the details.

Skills: To code the website a basic understanding of the programming languages (HTML and CSS) was needed, as well as knowledge of how to research to find solutions to the problems that might arise when creating the website. Understanding of how to use Visual Studio Code, how to work independently, how to manage your own project (time, workload, expectations). Knowledge of planning tools, such as Trello.

Resources: The resources I used to accomplish my website were: Firstly, my laptop and the Internet, which helped me to access the CodeNation course and other resources such as Visual Studio Code, which was the tool that helped me to develop my website. Trello was also super helpful to organize and plan my project. When researching about solutions in my website I used the W3Schools.com which have a great amount of information about different programming languages. Time was also a huge resource, as I was managing this website along my job, which meant I had to organize myself well and finally, Dan, our teacher from CodeNation, was the biggest help/resource, as he made sure we all were able to get the basic concepts of HTML and CSS and being available whenever we needed help with something.

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

As I was creating a website with my own content created by myself, there was not any concern on copyright, however, if I was to use someone else's content, I would have tried to look for royalty free icons or under the CC license (where attribution is required). Regarding GDPR, as I did not ask for people's details or information anywhere on the website, so it was not a concern. However, if I needed to collect people's information, I would need to follow the guidelines in the Data Protection Act 2018.

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?

Visual Code Studio: This is a super helpful IT tool when developing my website, while writing the code, it suggests what parameters you must specify, if there is an error/bug in the code, it briefly explains what the commands do, autocompletes the coding, which is super helpful as it saves time and also, it is very helpful with spellings mistakes. This tool also allows you to add extensions, such as indent-rainbow which helps to write cleaner code.

Trello: This tool helped me to organize my project and divide the workload into more manageable tasks, as well as making sure I meet all the spec requirements. It is very easy to use and very self-explanatory, which made the planning of my project much easier.

Overall, I am very happy with the tools I used for this project.

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 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.

As my intention was to re-create a website I have already developed in the past, my "test" was to put them next to each other, to make sure they looked alike. I used the same colours palette and try to use a similar font. The files I used for my website, were a mixture of .jpg and .png files, as those were the ones, I had available, however, using .png files, is better, as it has a superior quality than .jpg files.

Regarding accessibility, I used alt text in my images, which would give a brief explanation of the image to the people accessing the website. However, in the future I would probably make it also colour-blind friendly, as when choosing the colour palette, I did not take this in consideration.

The general look of my website is clean, which would help with some disabilities, however, in the future I would also use an accessibility checker to make sure my website accessible to everyone.

Q6. Describe ways to improve your productivity and efficiency throughout this project. If you could have been more productive or efficient, how would you implement this for a future project?

I would take more regular breaks, as I would spend hours trying to solve problems and staring at the screen, which is not the best practice when trying to be productive. In an ideal world, I would have had focus solely in this project, as when working on the website I also had to fit my work and somedays I had to work until late hours, which meant I would get little time to rest and needed to be up for the course. As this was just a small project that had to be delivered in a quite short deadline, I feel I did a great job, considering I had other obligations.

Q7. Describe the final version of your website, assess the strengths and weaknesses, and describe further improvements you can make to your website. Is the website fit for purpose?

Description:

My website is my Personal Website which I have previously done before in Wix, but I wanted to replicate it this time with coding.

I have 4 pages, across them the header is consistent, where it has my nav bar with pill shaped bottoms and my logo in the left-hand side. The first page is the home page (index.html), which is a picture of myself with my name.

The second page is an about page (about.html) where it has 2 sections, the first section is a quick introduction about me and what projects I have done recently. The second section is a little bit more of my history and my journey.

The third page is my projects page (projects.html), where it shows 5 of my most recent projects. Each of them, has a brief description, a picture, and links to the projects.

The fourth page is a contact page (contact.html), which currently just has a "coming soon" place holder.

Strengths:

The website looks very similar to the original website, the position of the elements and colours, are the almost the same. The pages are connected well together, the website met all the specs requirements and it some cases it exceeded the minimum requirements.

Weaknesses:

The coding could have been neater, and the contact page could have been finished as currently it just has a placeholder. It is not 100% identical to the original website.
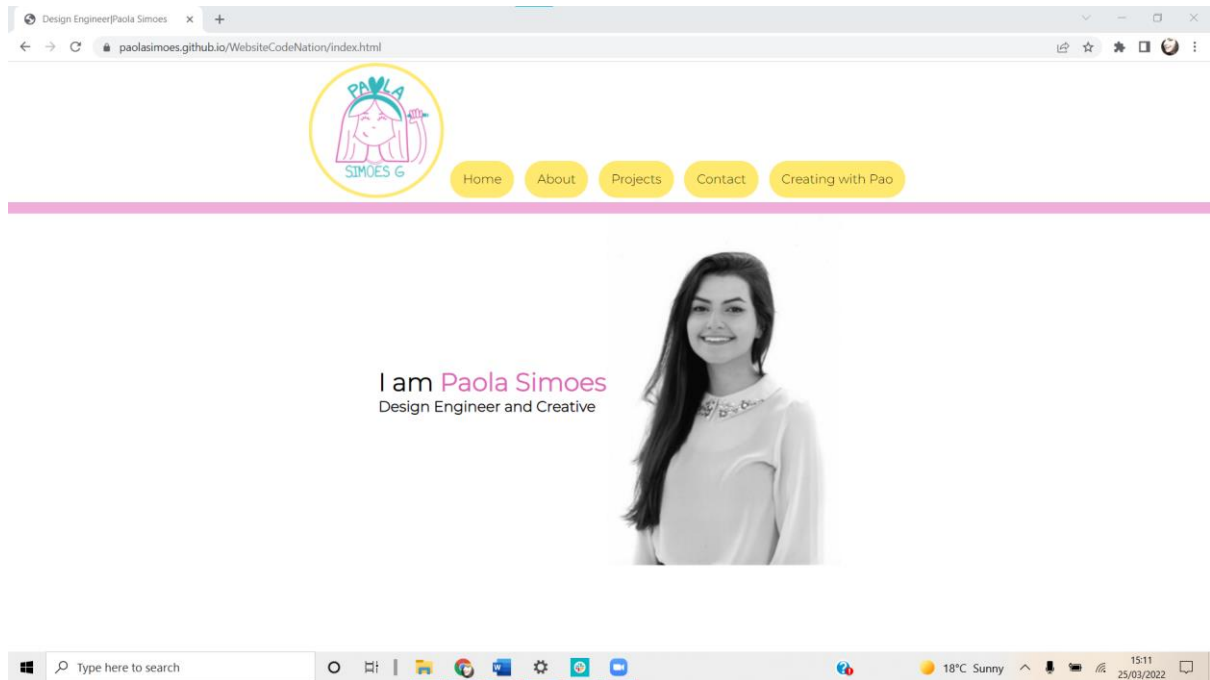
Improvements:

I could add some transitions and probably use some java-script to make it even more appealing, I would tidy my code, finish the contact form, and add the final touches.
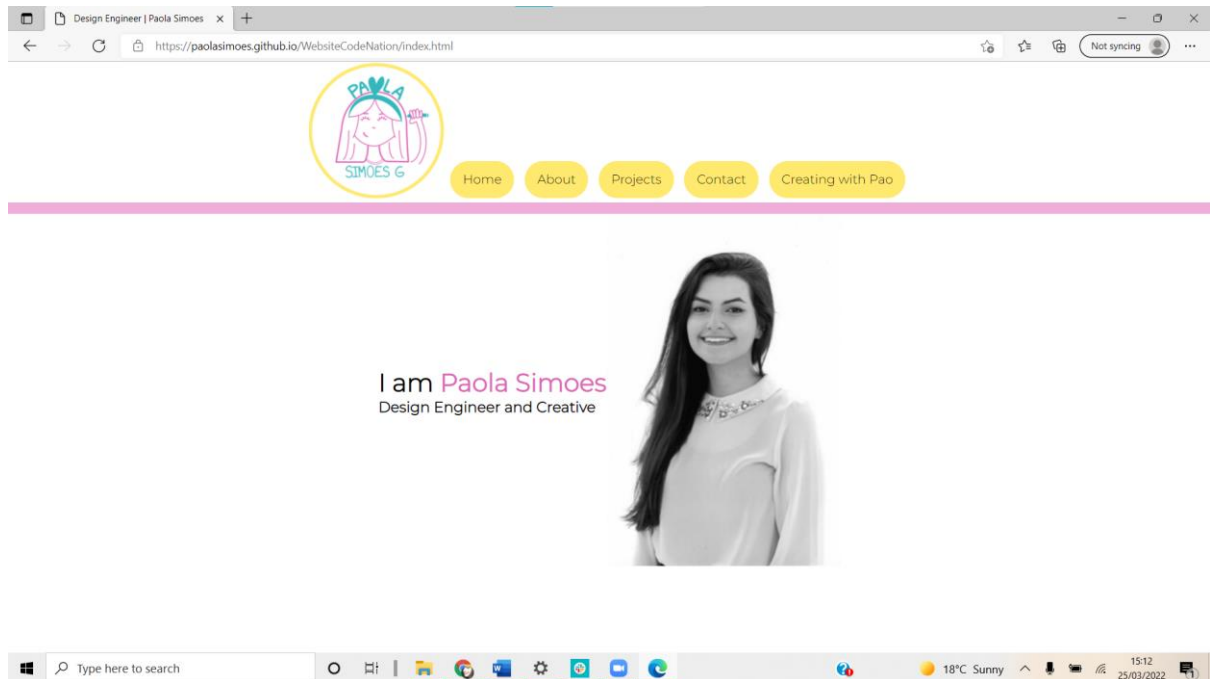
Overall, I am really happy with my website, and it fits the purpose of it, it showcases my coding skills and my other projects which was its main purpose.

Q8. Take a screenshot of your website homepage working in two different browsers.

Google Chrome

Microsoft Edge

For Code Nation/TLM reference				
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	