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In Partial Fulfilment of The University of Law's:  
MSc - Computer Science - Web Technologies - Online FT - Sep 23 Start - October 2023  
Assessment 1: Coursework Portfolio

Project Title: Personal Portfolio

### **Abstract:**

This website is built primarily to provide a platform for potential recruiters to learn about me and to showcase my development experience by creating a cohesive, concise, and engaging portfolio website that also demonstrates my web technology capabilities. Built using a mixture of custom HTML written by myself and by using powerful CSS and Javascript libraries on Elementor/Wordpress, I was able to create a site that I am proud of showcasing.

### **Introduction**

This personal portfolio website was developed with three key areas in mind: a professional layout/presentation, concise and succinct information, and scalability for future projects.

Having prior experience working with website builders and their custom libraries, I utilised Elementor's CSS and Javascript in tandem with my HTML to make the most of flexbox, dynamic elements, and more.

### **Development Journey**

Starting out with requirements gathering, I tested several development methods from custom, from-scratch development to building entirely using a builder and found a good compromise in loading in my HTML structure into Elementor, using the powerful visualisation tools, CSS, and script additions, and then exporting back to Visual Studio Code for further editing.

#### *Visual Studio Code Development:*

Once with a basic site with functioning HTML, CSS, and Javascript elements, I utilised the "Live Preview" extension to further visualise edits I made as I added photos, tweaked spacings, and deleted unnecessary elements from my file that came with the export from the builder.

#### *Utilization of Software Versioning Tools:*

GitHub has been selected as a software versioning tool to showcase proficiency and understanding in deployment and version control. This project has been deployed to GitHub, accessible through my, Emmanuel's, GitHub account, @emmcyn

### *Code Modularity:*

By using immediately Elementor, I was able to immediately view and control my different scripts and CSS features using a more user-friendly interface. Once I was happy with the base case, I exported and made tweaks within VS Code.

### *External Links for "Dynamic Content":*

As this is a showcase to recruiters, I established the need to have a download CV function within the web app. As I am working with a static page, I embedded a link to my download CV button that points to a Google Drive Folder, which allows me to upload the content of that folder as needed without having to create a CMS or risk leaving an outdated resume within the directory.

Links to external pages including my Github, WhatsApp, and Email are just common good practices without cluttering the page too much with a redundant contact me form.

## **Testing**

<b>Phase</b>	<b>Input</b>	<b>Intended Output</b>	<b>Actual Output</b>
Load Scripts	Open HTML Page	All scripts load	All scripts Load
Load CSS	Open HTML Page	All CSS elements load	All CSS elements load
Menu Dropdown Loads	Tap on Menu Hamburger Icon	Menu Dropdown Loads	Menu Dropdown Loads
Links open to intended links	Click on links	Links open to intended links	Links open to intended links

## **Conclusion**

Building this portfolio site was a good practice in working hand in hand with powerful web builders and libraries and to be able to use powerful "templates" to guide the webpage

development proces.

Moving forward, I intend to use the modular gallery section to add my upcoming projects, add more scripting to the elements, and to create a separate projects page with a full breakdown of each project.