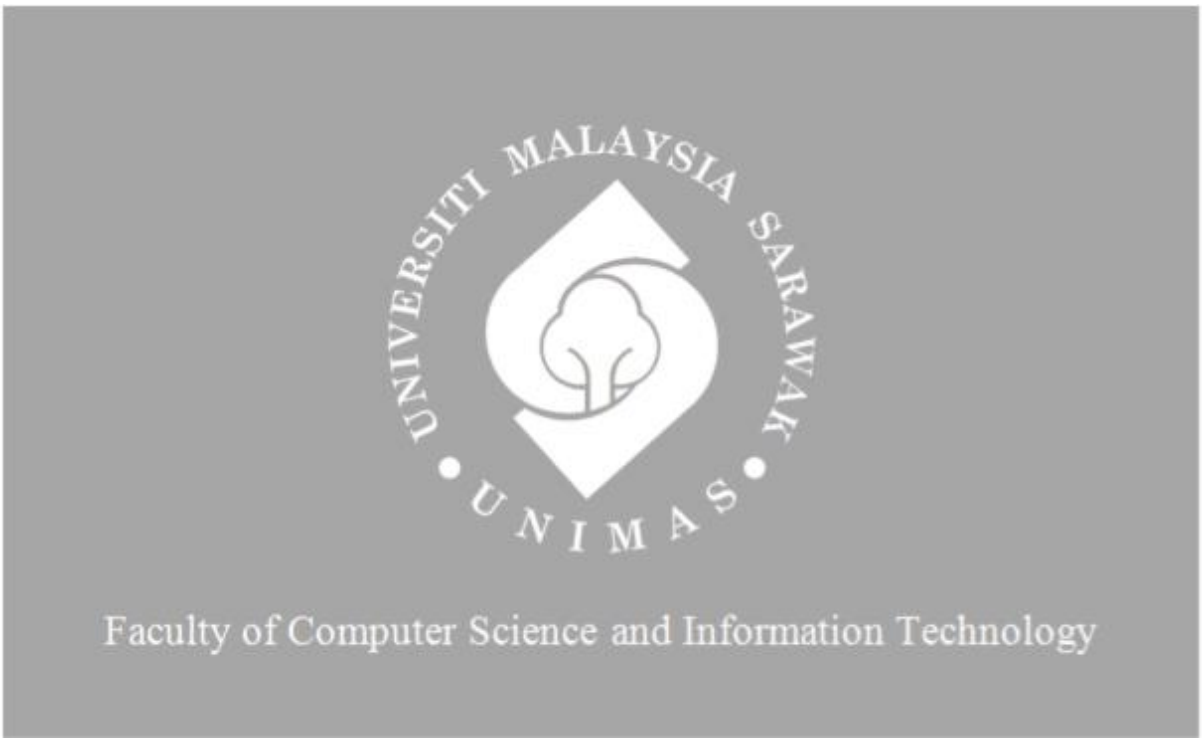


# *Portfolify: A Rich Media Portfolio Website*

## *FYP 2 Report*

Choo Yong Sheng

Bachelor of Computer Science with Honours

(Multimedia Computing)

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# Portfolify: A Rich Media Portfolio Website

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This project is submitted in partial fulfillment of the Requirements for the degree of

Bachelor of Computer Science and Information Technology

Faculty of Computer Science and Information Technology

UNIVERSITI MALAYSIA SARAWAK

# CHAPTER 4: IMPLEMENTATION AND TESTING

## 4.1 Introduction

This chapter will discuss the proposed online portfolio system's implementation and testing phases to ensure sure all the earlier-defined requirements from the previous chapters have been met. To make sure the system is completely functional and prepared for testing, both the front-end design and back-end functionality will be developed during the implementation phase. Using the prepared test cases with different scenarios, the system will be tested during the testing phase to make sure that the specifications are clear and that any errors are found for future improvement.

## 4.2 Development tools

The main development tools that are used for the implementation of the proposed system are as follows: Visual Studio Code is used as Source Code Editor, XAMPP used as MySQL database and localhost server. Next, the programming language that are used for the development of the web system are HTML, CSS, JavaScript, and PHP.

## 4.3 System Components

The main development tools that are used for the implementation of the proposed system are as follows: Visual Studio Code is used as Source Code Editor, XAMPP used as MySQL database and localhost server. Next, the programming languages that are used for the development of the web system are HTML, CSS, JavaScript, and PHP.

### 4.3.1 Visual Studio Code

Visual Studio Code is the main source code editor for this project. Visual Studio Code also commonly referred to as VS Code, which is developed by Microsoft for Windows, Linux macOS and web browsers. Visual Studio Code also includes support for syntax highlighting, debugging, code refactoring and embedding control with Git. Figure 4.1 shows that installed VS Code version with others version details. VS code also provides tutorial (walkthroughs) for the

ease of use of the user. VS code also includes multiple coding language which allows users to code easily with multiple coding language.

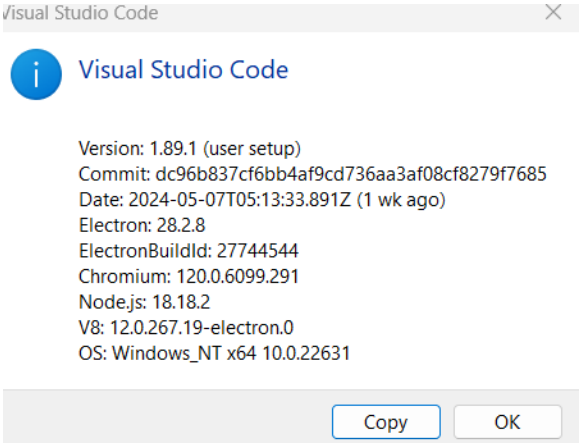


*Figure 4.1: Visual Studio Code Detailed Version*

### 4.3.2 XAMPP

XAMPP is used as the MySQL database for this project. XAMPP stands for Cross-Platform, Apache, MySQL, PHP, and Perl. XAMPP is a free platform that allows users to test their code locally on their own computer. This platform allows users to host a mini web server and create tables for database before hosting their own web. Figure 4.2 shows the control panel of XAMPP which allows users to start hosting the server and admin function which allows them to view and manipulate the database.

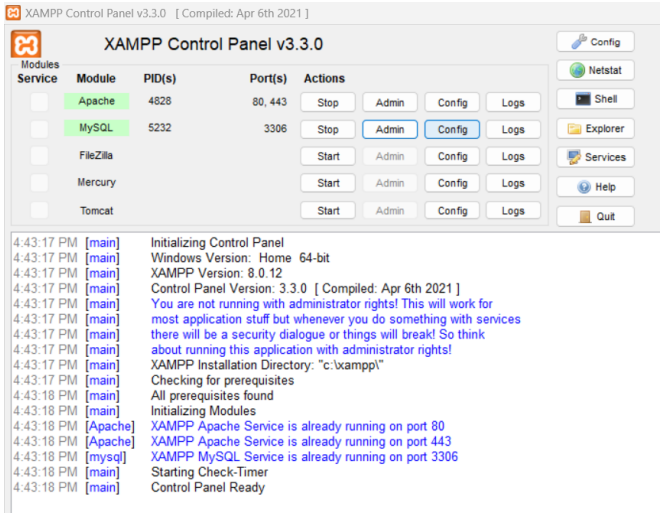


*Figure 4.2: XAMPP Control Panel*

## 4.4 System Implementation

### 4.4.1 Sign-Up Page

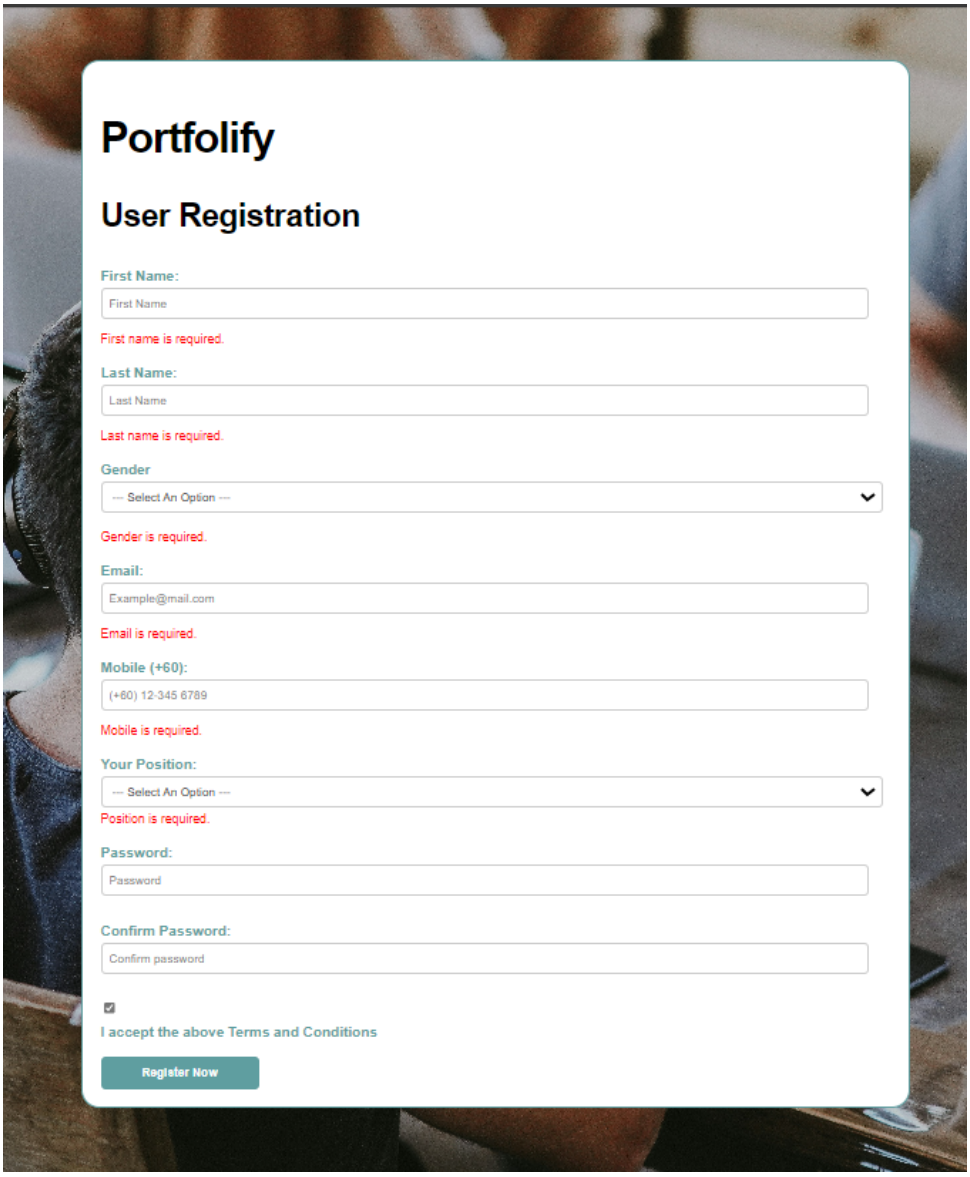


*Figure 4.3: Sign-up Page*

Figure 4.3 shows the sign-up page of Portfolify. User or recruiter is required to fill-in the following required information to register an account. If the user or recruiter missed out the required information, the system will prompt an error and indicate the information is required as show in the figure above.

### 4.4.2 Login Page

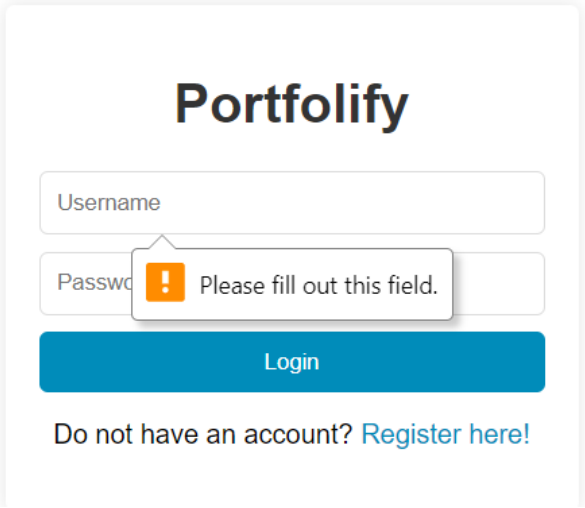


*Figure 4.4: Login Page*

Figure 4.4 shows the login page with username and password as user input. The user needs to enter the correct username and password and click on the "Login" button to log in to the system. If the username or password is not entered, the system will prompt a message "Please fill out this field" message.

### 4.4.3 Homepage

### 4.4.4 Job Listing Page

### 4.4.5 Project Listing Page

### 4.4.6 Profile Page

## 4.5 Testing

### 4.5.1 Functional Testing

### 4.5.2 Usability Testing

## 4.6 Summary of Chapter 4