Week 2 – CSS Styled Portfolio Website Documentation

1. Project Overview & Objectives

This project focuses on styling a personal portfolio website using CSS. The objective is to apply core CSS concepts such as selectors, box model, Flexbox, hover effects, and responsive design to create a visually appealing and mobile-friendly website.

2. Setup and Installation Instructions

1 Download or clone the GitHub repository.

2 Ensure index.html and style.css are in the same folder.

3 Open index.html in any modern web browser.

4 Ensure internet connection for loading Google Fonts.

3. Code Structure Explanation

The project follows a simple and organized file structure. HTML handles the structure, CSS manages styling, and assets are stored separately.

1 index.html – Contains website structure and content.

2 style.css – External stylesheet for all visual styling.

3 images/ – Stores images used in the website.

4 screenshots/ – Contains screenshots of the working application.

5 README.md – Project description and usage guide.

4. CSS Concepts Used & Design Decisions

1 External CSS file used to separate content and design.

2 CSS selectors: element, class, and pseudo-class selectors.

3 Box model for spacing using margin and padding.

4 Flexbox used for layout alignment and responsiveness.

5 Hover effects added to buttons and navigation links.

6 CSS variables used for consistent color scheme.

5. Responsive Design Approach

Media queries were implemented to ensure the website works smoothly on mobile devices. Layouts adjust automatically for screens below 768px by stacking navigation and content vertically.

6. Technical Requirements Fulfilled

1 External style.css file created and linked.

2 More than three CSS selectors used.

3 Hover effects implemented on buttons and links.

4 Responsive design using media queries.

5 Flexbox used for layout design.

6 Custom fonts and color scheme applied.

7. Testing and Validation

The website was tested across different screen sizes and browsers. Manual testing ensured responsiveness, hover effects, and layout consistency.