

Assignment Report

1.0 Design Choices

1.1 Colour Schemes

In this project, four colours have been picked as the theme. The primary colour (#2c2e3a) is a mix of deep navy and charcoal, to present strong contrast and professional appearance. It created visual hierarchy for navbar and box elements.

The secondary colour (#527699) is muted blue, which used in profile image flip card and timeline nodes, to complements with the primary colour while highlighting important information.

The accent colour (#e98725) is warm orange, which functioned as indicators in the navbar, providing high contrast against the preceding colours. Moreover, off-white (#efeded) is used for text colour in dark background for readability and being less harsh while compared with pure white.

As background, gradient from grey to white is used to create subtle depth, providing good contrast for content.

1.2 Font

The font family been chosen are Montserrat, Roboto, and Inter, which are modern, clean and readable. These selections are optimal for a professional portfolio website while delivering cross-platform support.

Regarding the font sizes, relative unit (rem) is adopted over absolute unit (px) for compatibility. In this instance, 4rem and 2rem are used for the size of heading and subtitle in the hero section, while 1.2 rem is used for body text. Semi-bold is used for highlighting headings and titles.

1.3 Overall Layout

The position of the navbar is fixed, enhancing accessibility for navigation to other pages.

The beginning of main content in each page starts with the hero section, which consists of large texts and image to ensure visual attention of the viewer.

Responsive grid system with auto-fit is used for the container of boxes to adapt to different screen sizes. Such implementation is to visualize card-based layout to display crucial information in a concise manner in its corresponding pages. Hover effect is added for improved interactivity.

2.0 Layout Implementation

The razor view file (_Layout.cshtml) is created and stored in Views/Shared for displaying common elements in every pages. In this file, it contains navbar, a designated area to render main content for each page, and footer. This file must be paired with _ViewStart.cshtml for the setup of default layout.

In the navbar, it displays a logo of programming and the author's name on the left, followed by a list of navigation links to other pages, with active state highlighting. In the footer, copyright information is displayed.

Regarding the main contents, four distinct pages are created, which are Index (Home), About, Projects, and Contact.

3.0 Technologies Used

ASP.NET Core Model-View-Controller architecture is used as framework, with razor view for dynamic content loading.

On the frontend, HTML is used for structuring the content of webpages, with CSS styling. Minimal JavaScript is introduced for the flipping action of profile image card.

Below are some references to innovative elements used in this project:

Timeline bar: [Simple Horizontal Timeline CSS Only | No JavaScript](#)

Box container (Info Card): [Flexbox Card Grid How To Create Column Cards](#)