

## Title

Responsive Portfolio Website Assignment

## Introduction

This assignment focuses on designing a responsive one-page portfolio website implementing modern CSS techniques such as Flexbox, Grid, media queries, animations, and scalable CSS units.

## **Header & Hero Design**

Flexbox is used to align logo and navigation links efficiently. The hero section contains animated role text (color-changing) on the left and profile avatar on the right. On small screens, the layout stacks text above image.

## Skills & Projects Grid

CSS Grid structures the Skills and Projects sections using cards arranged into columns which shift responsively from 3■column desktop to 1■column mobile.

## Animations & Interactivity

At least one keyframe animation is applied on role text. Navigation links, buttons, and cards include hover effects using transitions and transform scale.

## Responsive Breakpoints

Mobile■first design uses breakpoints at 480px (mobile), 768px (tablet), 1024px (desktop). Relative units: rem, %, vw/vh are applied.

## Color & Typography

Consistent 2–3 color theme ensures hierarchy. Google Fonts like 'Poppins' or 'Inter' keep design modern.

## Contact Form & Footer

A responsive contact form with proper spacing is included. Footer contains copyright and social links.

## Expected Output

A final website that is responsive across devices, interactive with animations, and professionally structured.

## Performance Metrics

Marks breakdown: Flexbox & Grid (1), Responsive Design (1), Relative Units (1), Animation & Effects (1), Code Quality (1).