

# CSS Styling Practice Assignment

## Overview

In this assignment, you'll apply the CSS concepts you've learned to style a simple webpage. You've been provided with an HTML template that includes various elements common in modern websites. Your task is to transform this plain HTML into an attractive, responsive website using CSS.

## Instructions

1. Download the provided HTML file and open it in your code editor.
2. Write your CSS in the `<style>` section at the top of the document.
3. Apply styles that demonstrate your understanding of the following CSS concepts:

### 1. CSS Box Model

- Set appropriate margins, padding, and borders for elements
- Use box-sizing property to control how dimensions are calculated
- Create containers with specific dimensions and spacing

### 2. CSS Selectors

- Use different types of selectors (element, class, ID, attribute, pseudo-classes)
- Apply styles to specific elements using descendant selectors
- Use combinators to target elements in relation to others

### 3. CSS Flexbox

- Create a responsive navigation menu using flexbox
- Style the skills section as a flexible container
- Make the contact section use flexbox to arrange the form and contact info

### 4. CSS Grid

- Transform the projects section into a responsive grid layout
- Create a grid-based footer that adapts to different screen sizes

### 5. CSS Animations & Transitions

- Add hover effects to navigation links and buttons
- Create transitions for interactive elements
- Animate the skill level indicators to fill based on their data-level attribute

## 6. Responsive Design

- Implement a mobile-first approach
- Add media queries for at least 3 breakpoints (mobile, tablet, desktop)
- Ensure the layout adapts appropriately at each breakpoint

## Challenge Tasks (Optional)

For an extra challenge, try implementing these advanced features:

1. Create a sticky header that remains at the top when scrolling
2. Add a dark/light mode toggle button with corresponding styles
3. Implement a responsive image gallery with hover effects in the projects section
4. Create a multi-column layout for the about section on larger screens

## Requirements

- Your CSS must be well-organized and commented
- The website must be responsive across different screen sizes
- All interactive elements should have appropriate hover/focus states
- The styling should enhance usability and readability

## Resources

- Use the interactive exercises we covered in class:
  - Box Model Exercise
  - Flexbox Exercise
  - CSS Selectors Exercise
  - Animations Exercise
  - Responsive Layout Exercise

## Submission

Submit your completed HTML file with your CSS included in the style section. Include any notes or explanations about your styling choices in comments.

## Grading Criteria

- Correct implementation of CSS concepts (40%)
- Responsive design implementation (20%)
- Code organization and cleanliness (15%)

- Visual design and creativity (15%)
- Browser compatibility (10%)

Good luck, and have fun styling your website!