

1. Understand the Key Requirements

- **HTML5 and CSS3 Proficiency:** You need to create a multi-page website using **HTML5** for markup and **CSS3** for styling. Ensure your code is efficient, semantic, and validated.
- **Responsive Design:** Your website should look good on various screen sizes using **media queries**.
- **In-class Test:** This will assess your portfolio, and the test will focus on your understanding of the work you've done.

2. Breakdown of the Portfolio Task

A. Website Structure (HTML5)

- **Main Page:** Create a homepage with a proper HTML5 structure (header, nav, main, footer). Include side information like a Twitter feed or social media links.
- **About Page:** This should have an appropriate HTML5 structure to present information about yourself.
- **Blog Page:** This should include **2 blog posts**, using proper semantic elements like `article`, `section`, `time` (with `datetime` attribute), and more.
- **Form Page:** Create a contact form for newsletter registration or messages using various HTML5 form elements (`input` , `textarea` , `button`).

Tip: Comment your code and use indentation for readability. Validate your HTML using the HTML5 Validator.

B. Styling with CSS3

Create a **single external CSS file** for the entire site. Your stylesheet must include:

1. **Fonts:** Use `@font-face` or Google Fonts for custom typography.
2. **Colors:** Include at least one **semi-transparent** color.
3. **Shadows:** Apply box/text shadows.
4. **Text Effects:** Add styling like `text-shadow` or custom fonts.
5. **Selectors:** Use **attribute selectors** (e.g., `[type="email"]`), and **pseudo-elements** (like `::before` or `::after`) for generated content.
6. **Pseudo-classes:** Utilize **user action pseudo-classes** (e.g., `:hover`), **nth-child** or **nth-of-type**, **negation**, and **validity** pseudo-classes for forms.
7. **Transitions and Animations:** Apply **transitions** (e.g., for button hover) and **animations** for visual interest.
8. **Layout:** Ensure proper layout techniques, including **child combinators** and **structural selectors**.
9. **Borders & Corners:** Include **borders**, and use **rounded corners** where appropriate.
10. **Gradients:** Apply CSS gradients for background effects.

11. **Transforms:** Use CSS **transforms** like scaling or rotating elements.

Tip: Test your CSS using CSS Lint. Focus on **specificity** in your CSS rules.

C. Responsive Design

- Use **media queries** to make the site responsive for small screens. This should adapt your layout and styling for different devices (e.g., mobile vs. desktop).

D. Diary (Progress Log)

- **Document your progress** weekly or bi-weekly.
 - Include hand-drawn designs, wireframes, and layout mapping for large screens and mobile views.
 - Write about your design choices (e.g., font choice, colors, layout structure).
 - Add screenshots and notes on code updates and challenges.
 - **Strongly recommended** but not required: Write detailed diary entries with dates and cover layout, content choices, and specific selectors used in Section B.

E. Final Document

- Create a **Word document** that includes:
 - Screenshots of your final website.
 - Your **HTML files** and **CSS file**.
 - Your **diary** from Section D.

You'll print this and bring it for your in-class test, where you'll be asked to annotate the document, and diary entries may be directly tested.

3. Prepare for In-Class Test

- Revise your diary and screenshots, as they will be part of the in-class test.
- Ensure you've completed your **zip file** with all required deliverables: HTML, CSS, images, fonts, and diary.

4. Additional Tips for High Marks

- **Validate** your HTML5 and CSS3 using the provided tools.
- **Ensure clarity:** Your code should be well-commented and use proper indentation.
- **Test your site:** Check for responsiveness across different devices and browsers.
- **Time management:** Start early, especially for diary documentation. Keep track of progress regularly.
- **Creativity and Clarity:** The clearer and more creative your design, the more likely you'll stand out.

Following this roadmap will ensure that you stay organized, meet all requirements, and submit a well-structured portfolio that demonstrates your skills effectively.