



**Software  
Engineering**

# **Project Milestone 1 - Responsive Web Pages**

## **Overview**

In this milestone project, you will showcase your foundational web development skills by creating a personal website. This first checkpoint focuses on essential aspects of web development, including HTML for structure and CSS for styling. Demonstrating your understanding of these technologies will set the stage for more advanced projects in subsequent milestones.

## **Goals**

The goal of this project is to evaluate your ability to:

- Design and implement a responsive personal website using HTML and CSS.
- Organize content effectively with semantic HTML.
- Apply CSS styling techniques to enhance the visual appeal and usability of the website.
- Implement best practices for accessibility and user experience.

## **Expected Output**

Your application should be similar in functionality and design to:

- <https://timmyomahony.com/>
- <https://olaolu.dev/>

## **Important Notice!**

The assignments are designed to enhance your problem-solving abilities and reinforce your foundational knowledge in web development. You may utilize AI tools to explore

concepts and generate ideas; **however, it's crucial that you also delve into the 'how' and 'why' behind the solutions AI provides. This understanding is vital for your growth as a developer.**

**Please be aware that any form of misuse or unethical use of AI, such as plagiarism or relying solely on AI-generated responses without understanding the content, will have consequences.** We encourage you to engage with the material actively and ensure that your submissions reflect your own work and comprehension.

Remember, your journey as a budding web developer is as much about the process as it is about the final product. Embrace the challenges and take the time to learn!

## **Module 1 Assignment**

***(Deadline: Friday, 21 February 2025 at 23:59 WIB)***

 **Recorded Brief**

### **Scenario**

As a budding web developer, you want to establish an online presence that not only shares your personal story but also demonstrates your technical capabilities. With an increasing number of employers and clients looking for insights into candidates' skills and experience online, creating a personal website is an essential step in your professional journey.

**Audience:** Your website is intended for various audiences, including potential employers, clients, and collaborators. It serves as a digital portfolio where you can present your work and interests, demonstrating your ability to communicate effectively through web design.

#### **Purpose:**

- **Showcase Skills and Projects:** Highlight your technical skills and the projects you've undertaken, providing context and insight into your capabilities and creative process.
- **Build Your Professional Brand:** Create a digital footprint that conveys your personal brand by sharing your story, interests, and professional journey.
- **Engage Users:** Design a user-friendly experience that allows visitors to navigate your site easily and find the information they seek without difficulty.

### **Requirements**

You are tasked with developing your personal website which not only acts as an online resume but also embodies your personal style and design preferences. Your initial version should be hosted on a platform such as GitHub Pages, ensuring it is accessible to anyone looking to connect with you or explore your work.

In this module, you are required to develop the HTML structure for your personal website, which should consist of the following sections:

**1. Home Section:**

- Create a visually appealing home section that introduces who you are.
- Use semantic HTML to structure the content effectively.

**2. About Me Section:**

- Write a brief biography that summarizes your education, work experience, skills, and interests.
- Ensure to use appropriate headings, paragraphs, and lists to present the information clearly.

**3. Projects Section:**

- Set up a dedicated section for future projects, structuring it with placeholders for project titles, descriptions, and technologies.

***Don't worry if you don't have any projects to showcase yet!***

*You can leave this section empty for now, and feel free to update it with future projects as you progress through the program. Your website is meant to grow with you, so make sure to add your achievements and experiences as they come!*

**4. Contact Section:**

- Create a contact section with a placeholder contact form, including fields for name, email, and message.
- Use appropriate form elements and labels to enhance accessibility.

## Deliverables

For this checkpoint, you are required to submit:

1. **Deployed HTML Website:** The initial version of your personal website hosted on GitHub Pages, displaying the HTML structure.
2. **Source Code Repository:** The HTML codebase uploaded to GitHub, organized effectively with clear file structures.
3. **Project Documentation:** A README file that includes:
  - Overview of the website
  - Features implemented
  - Technologies used

## Grading Component

Your project will be evaluated based on the following criteria:

1. **Foundational HTML Structure:**
    - Assessment of the overall HTML layout and structure, including proper nesting and hierarchy of HTML elements.
  2. **HTML Form:**
    - Effectiveness of the contact form implementation, focusing on the use of input types, labels, and accessibility considerations.
  3. **HTML Semantic Elements:**
    - Appropriate use of semantic elements (e.g., <header>, <footer>, <section>, <article>), contributing to the overall clarity and SEO of the HTML document.
  4. **README Documentation:**
    - Quality, clarity, and completeness of the README file, including project overview, features, and instructions for accessing the deployed page.
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## **Module 2 Assignment**

*(Deadline: Friday, 7 March 2025 at 23:59 WIB)*

 **Recorded Brief**

 **Scenario**

Now that you have the HTML structure set up for your personal website, it's time to take it to the next level by applying CSS to enhance the visual appearance and user experience. In this module, you will focus on styling your web pages to reflect your personal brand and design preferences. The goal is to create a visually appealing and cohesive online presence that engages your visitors.

## **Requirements**

In this module, you will apply CSS to the HTML developed in Module 1. The focus areas are:

1. **Styling the Home Page:**
  - Apply CSS styles to create a welcoming atmosphere, ensuring the design captures visitors' attention and reflects your unique personality.
  - Use CSS to enhance typography, colors, and layout.
2. **Styling the About Me Page:**
  - Make the biography visually engaging through formatting (e.g., font styles, colors, spacing).

- Add styles that differentiate sections of content for better readability.
3. **Styling the Projects Page:**
    - If you have added project details, ensure they are styled effectively to highlight each project clearly.
    - Incorporate hover effects over project links.
  4. **Styling the Contact Page:**
    - Design the contact form with user-friendly elements using CSS for better interaction (e.g., input field styling, button design).
    - Ensure the form is visually appealing and aligned with the overall website theme.

## Deliverables

For this checkpoint, you are required to submit:

1. **Deployed Website:** An updated version of your personal website hosted on GitHub Pages or Netlify, showcasing applied CSS.
2. **Source Code Repository:** The complete codebase uploaded to GitHub, including CSS files and structured folders.
3. **Project Documentation:** An updated README file, which should now include:
  - Overview of the website
  - Features implemented (including CSS styling)
  - Technologies used
  - Screenshots or demo links to illustrate CSS implementation

## Grading Component

Your project will be evaluated based on the following criteria:

1. **Responsive Design:**
  - Implementation of responsive design principles to ensure the website adapts to different screen sizes, including the use of media queries.
2. **Responsive Images and Background Images:**
  - Effectiveness of using responsive techniques for images and background images, assessing the practical application of CSS properties like max-width, object-fit, and background-size.
3. **Creating Asymmetrical Layout using Grid or Flexbox:**
  - Application of CSS Grid or Flexbox to create dynamic, asymmetrical layouts, evaluating layout effectiveness and visual appeal.
4. **Applying Font Customization:**
  - Quality of font customization, focusing on font families, sizes, weights, and alignment with personal branding, including the use of web-safe fonts or web font services (e.g., Google Fonts).