



Web Programming 1 Course Project:

Designing Online Shop Homepage

Introduction

This project aims to apply the skills learned in the "Web Programming 1" course by designing a **landing page for a fictional online shop**. Students will demonstrate their abilities in structuring content using HTML, styling the page using CSS, and optionally enhancing interactivity with basic JavaScript.

Project Requirements

1. Page Structure (HTML)

Create a web page that includes:

- A **top navigation bar** with the shop name/logo and links (Home, Products, Categories, Contact).
- A **hero section** with a promotional banner or welcome message.
- A **featured products section** displaying 4–6 product cards (each with image, name, price).
- An optional **category or offer section** showing different types of products.
- A **footer** with contact information and social media links.

2. Page Styling (CSS)

- Use a **consistent and appealing color scheme** that suits an e-commerce theme.
- Ensure the design is **responsive** and adapts to various screen sizes.
- Apply professional styling to text, buttons, and images using **Flexbox or Grid**.
- Add **hover effects** on product cards and buttons.
- Use **Google Fonts** for better typography. (optional)

3. User Interaction (JavaScript - Optional)

- Add basic interactivity such as:
 - A “Show More Products” button.
 - A simple alert message when a product is added to cart.
 - Toggle effects to show or hide promotional content.

Evaluation Criteria

- Visually attractive and consistent design.
- Correct and semantic use of HTML5 structure.
- Well-styled layout using CSS.
- Smooth and responsive user experience.
- (Optional) Use of JavaScript for small interactive features.

Project Submission

- The project must be submitted as a **compressed ZIP file** containing all necessary HTML, CSS, and optional JavaScript files.
- Include **all images used in the design**.
- **Deadline: 20/08/2025**
- Projects must be uploaded via the **Moodle platform only**.
- **No late submissions will be accepted.**
- **Students who copy from each other will receive a zero for the project.**

Project Discussion

After submission, each student will be required to **present and discuss** their project in front of the instructor. The discussion will include:

- Explaining the structure of the HTML and CSS code.
- Justifying design decisions (color scheme, layout choice, font usage).
- Demonstrating any optional JavaScript features added.
- Answering questions related to the techniques used.
- Showing the project in the browser and navigating through its sections.

Note: Failure to attend the discussion may result in losing project marks.

Good luck!
Musbah J. Mousa