

Assignment: eCommerce Single Page Design

Overview:

For this assignment, you are expected to design and implement a simple eCommerce web page, featuring:

- A gallery slide
- A 'Click to Enlarge' feature for gallery images
- A 'Contact Us' form
- An 'About Us' section
- A product card that links to a common product landing page

Part 1: Gallery Slides and 'Click to Enlarge' Feature

Create a gallery of images with a slide show feature. The user should be able to navigate through the slides using controls like 'next' and 'previous'.

On clicking an image, it should open in a larger view within the same page (lightbox effect).

We suggest using native JavaScript for the slideshow feature. However, if you prefer, you may also use libraries such as jQuery or frameworks like React.js for this task.

Part 2: Contact Us Form

Create a 'Contact Us' form that collects the following information:

- Name (text field)
- Email (email field)
- Message (textarea)

Ensure that the form has proper validation rules and feedback for user input. On form submission, simply display a confirmation message. You don't have to implement the backend for handling form submission.

Part 3: About Us Section

Create an 'About Us' section that provides information about the company. This section should contain:

- Company history (text)
- Team photos and names (grid of images)
- Vision & Mission (text)

Part 4: Product Card

Create a product card that includes:

- Product image
- Product name
- Product price
- A 'More Details' button linking to a common product landing page

For this task, you should implement a dummy product landing page. When a user clicks on 'More Details', they should be redirected to this page.

Requirements:

- Your code should be clean, well-organized, and commented.
- The layout should be responsive, i.e., it should look good on both mobile and desktop devices.
- Ensure the web page is accessible, following the Web Content Accessibility Guidelines (WCAG).
- Optimize the page for performance. Images should be properly sized, and the page should load quickly.
- Use modern HTML, CSS, and JavaScript features where appropriate.

Deliverables:

- The source code for the web page, including all HTML, CSS, and JavaScript files.
- A live demo of the web page (you can use platforms like GitHub Pages, Netlify, or Vercel to host your page).
- A brief report detailing your design and implementation process, and any libraries or frameworks you used.

Assessment:**Your assignment will be evaluated on:**

- Functionality: Does the page perform all the required tasks?
- Code Quality: Is your code clean, well-organized, and commented?
- Design: Is your layout intuitive and user-friendly? Is it responsive?
- Accessibility: Does your page follow WCAG guidelines?
- Performance: Does your page load quickly? Are images and other resources optimized?

Best of luck!