Module 1 - Front-End Web Development

HTML/CSS Exercise

Overview

Master CSS Grid and Flexbox by creating a dynamic image gallery with filtering capabilities and responsive layout.

Instructions:

1. **Create two files:**
   - gallery.html
   - style.css

2. **HTML Requirements:**

   - Create a gallery page with:
     - Filter buttons (Landscapes, Portraits, Architecture)
     - Image grid with at least 12 images
     - Image cards containing:
       - Image
       - Title
       - Category tag
       - Overlay with description

3. **CSS Requirements:**

   - Layout:
     - Use Grid for main gallery layout
     - Use Flexbox for filter buttons
     - Use Grid for card layouts
   - Responsive Design:
     - Desktop: 4 columns
     - Tablet: 2 columns
     - Mobile: 1 column
   - Interactive Elements:
     - Hover effects on cards
     - Active states for filter buttons
     - Smooth transitions between layouts

4. **Add CSS transitions for filtering animations**

Submission:

After completing your code, upload your files to the LMS. Display the webpage in your browser and demonstrate your working solution to your lecturer for review.