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| **Web Engineering**  **Assignment 02** | |
| **Course Code: SESD3233** | **Instructor: Muhammad Zahid Hussain** |
| **Marks: 10** | **Semester: Spring 2025** |
| **Due Date: 01 May 2025, 11:59pm on portal.**  **Submission: Upload a zip file containing all the required code files**  **+ MS-Word document containing the code and screen shot of the output along with group member names and roll number to the UCP Portal.**  **Plagiarism Policy:**   * **Strictly no plagiarism; ensure all work is original. In case of plagiarism, zero marks will be awarded.** | |

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| **CLO 2**  1  **Students will be able to build dynamic and interactive web applications using JavaScript, focusing on DOMmanipulation, event handling, dynamic user interfaces, form validation, asynchronous programming,**  **and API** | **Cognitiv e Level**  **C6** | **Keywords** |
| **Create** |

**Question 01 (CLO-02) 10 Marks**

# Objective:

**Create** and develop a fully responsive 3-page website using **Flexbox** and **CSS Grid** layout techniques. This assignment will assess your ability to build structured and styled content using modern layout methods.

# Theme:

**You are free to choose your own theme! Some ideas to get you started:**

* A personal portfolio
* A travel blog
* A product or service showcase
* A fictional restaurant or cafe
* A hobby or interest site (e.g., gaming, books, photography, etc.) Be creative and pick something that interests you!

# Website Requirements (3 Pages):

You must include the following standard sections in your website:

## ✅ Common to All Pages:

* **Header** with site name/logo and navigation menu
* **Responsive Layout** using **Flexbox** and **Grid**
* **Footer** with basic contact info, links, and copyright
* **Mobile-friendly design** (use media queries)

## Sections to Include Across Pages:

Use a mix of Flexbox and Grid in the layout of these sections.

## Home Page:

* + Hero banner with heading, tagline, and image or background
  + Introduction or welcome section
  + Features/highlights or services section (using cards or columns)
  + Call to action (e.g., “Learn More”, “Get Started”)

## About Page:

* + Brief story or background about the topic/theme
  + Team or creator section (can include images, bios)
  + Timeline or milestones (use Grid or Flex) 2

## Contact Page:

* + Contact form (name, email, message)
  + Contact information
  + Embedded map (optional)
  + Social media links (icons or buttons)

# Technical Requirements:

* Use **Flexbox** and **CSS Grid** appropriately across different sections
* Use **media queries** for responsiveness
* Use semantic HTML5 elements
* Write clean, readable, and well-indented code

Good Luck

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