

Assignment Description

Submission Date: 22/02/2025

Course: SY BCA

Title: Design and Development of a Website Using HTML & JavaScript

Objective

The purpose of this assignment is to enable students to design and develop a functional website using HTML and JavaScript by utilizing knowledge gained through online certified courses. Students will also learn to document their work and submit a detailed report on the project.

Assignment Requirements

1. Website Design & Development:

- Students are required to design and develop a fully functional website using **HTML** and **JavaScript**.
- The website should consist of **at least 5 pages**, covering:
 - **Home Page:** A welcoming page with navigation links to other pages.
 - **About Page:** A brief description of the website's purpose or the student's profile.
 - **Gallery/Services/Product Page:** Depending on the theme of your website, this page will showcase content like images, services, or products.
 - **Contact Page:** Include a functional form (name, email, message) using JavaScript for form validation.
 - **Additional Page:** Any other content (e.g., testimonials, blog, portfolio).
- Ensure the website is **visually appealing** and uses responsive design principles.

2. Features to Implement (using JavaScript):

- Form validation for inputs (e.g., email address, required fields).
- Interactive elements such as buttons, dropdown menus, or modals.
- Dynamic content updates using JavaScript (e.g., date, time, or user inputs).
- Additional advanced features (optional but encouraged), such as animations or simple data storage using localStorage.

3. Online Certified Courses:

- Students must complete at least **one online course** on web development (HTML & JavaScript) from platforms like Coursera, Udemy, edX, or others.
- Submit a **certificate of completion** or **proof of course completion** along with the assignment.

4. Report Submission:

Along with the website, students must submit a **detailed report** that includes:

- **Introduction:** Objectives and overview of the project.
- **Course Insights:** Brief summary of the online course(s) completed and how it helped in building the project.
- **Development Process:** Explanation of the tools, technologies, and methods used in designing the website.
- **Features:** Highlight key features implemented using JavaScript and their functionality.
- **Challenges and Solutions:** Describe any challenges faced and how they were resolved.
- **Conclusion:** Reflection on the learning experience and overall outcome of the project.
- Include **screenshots** or links to your website (if hosted online).

5. Submission Guidelines:

- **Deadline:** 22/02/2025
- Submit the following:
 - A **ZIP file** containing all the project files (HTML, CSS, JavaScript, images).
 - The **report** in PDF format.
 - The **certificate of course completion**.

6. Evaluation Criteria:

- Website Design and Layout (10%)
- Functionality and Use of JavaScript (20%)
- Creativity and Innovation (10%)
- Quality of Report (5%)

- Online Course Completion (5%)

Additional Instructions:

- Ensure all content on the website is original. Avoid plagiarism.
- Students may refer to online resources for guidance but must write their own code.
- Host your website using platforms like GitHub Pages (optional but encouraged).