

Website Designing (WD)
Hyper Text Markup Language (HTML)
Module -15 HTML in Full Stack

1. HTML Forms

Theory Assignment

Question 1: What are HTML forms used for? Describe the purpose of the input, textarea, select, and button elements.

-> HTML forms are used to collect information from users on a webpage, like names, emails, and feedback, and send it to a server for processing.

Purpose of Form Elements:

- `<input>`: Creates fields for different types of user input, like text, passwords, checkboxes, and radio buttons.
- `<textarea>`: Creates a large, multi-line box for users to type longer text, like messages.
- `<select>`: Creates a drop-down list, allowing users to choose one option from several.
- `<button>`: Creates a button, often used to submit the form when clicked.

Question 2: Explain the difference between the GET and POST methods in form submission. When should each be used?

->GET: Sends form data as part of the URL. It is visible in the address bar and has a size limit.

Use GET for simple data requests (like search queries) where security is not a concern.

POST: Sends form data in the HTTP body, which is not visible in the URL and has no size limit.

Use POST for sensitive data (like passwords or personal info) or when submitting large amounts of data.

Question 3: What is the purpose of the label element in a form, and how does it improve accessibility?

->The <label> element is used to describe a form input, like a text box or checkbox, by providing a clear name for it. It improves accessibility by linking the label to the input, making it easier for screen readers to read the form for visually impaired users.

When a label is correctly linked to an input, users can click the label to focus on the input, which improves usability for everyone.