Day 11 – Daily Diary (Training TR-102)

Date: 10 July 2025
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Topic Covered: DOM Manipulation & Events

◆ **What I Learned Today:**

On the eleventh day of my training, I learned about **DOM (Document Object Model) manipulation** and **handling events in JavaScript**. The DOM represents the structure of a webpage and allows us to interact with and change elements dynamically.

I learned how to select elements using getElementById, getElementsByClassName, and querySelector, and how to **change their content, styles, and attributes**. I also learned about **events**, which let a webpage respond to user actions like clicking a button, moving the mouse, typing on the keyboard, or submitting a form.

◆ **Activities Performed:**

1. Selected HTML elements using JavaScript.

2. Changed text, colors, and attributes of elements dynamically.

3. Added buttons and made them respond to clicks.

4. Used event listeners to handle user interactions.

5. Displayed lists and content dynamically using loops and DOM methods.

6. Tested and debugged JavaScript programs to ensure they worked correctly.

◆ **Skills Gained:**

• Understanding of DOM and its structure.

• Ability to select and manipulate HTML elements dynamically.

• Knowledge of events and how to respond to user actions.

• Skills to make webpages interactive and dynamic.

• Confidence in combining loops, functions, and events for practical projects.

Reflection:

Today's session helped me understand how **static webpages can become interactive**. I realized that DOM manipulation and event handling are essential for creating dynamic websites where users can interact with content.

Overall, Day 11 improved my **front-end development skills** and prepared me to create interactive and responsive web applications using JavaScript.