



Day-07 & 08 Assignment

Combined Assignment: Interactive Web Page with a To-Do List and Basic JavaScript Features

Objective:

Combine the concepts from Day 7 (JavaScript Basics) and Day 8 (DOM Manipulation) to create an interactive and functional webpage.

Project Title:

Interactive To-Do List with Basic JavaScript Features

Requirements:

1. Page Structure

- Create an HTML file named `interactive-todo.html`.
 - Divide the page into the following sections:
 1. **Welcome Section:** Displays a personalized greeting.
 2. **Calculator Section:** Simple calculator to perform basic arithmetic operations.
 3. **To-Do List Section:** A functional to-do list to add, mark, and delete tasks.
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Detailed Features

A. Welcome Section

- Add an input field to enter a name.
- Add a button labeled "Greet Me".
- When the button is clicked:

- Display a personalized greeting like "Hello, [Name]! Welcome to your interactive page."

B. Calculator Section

- Create two input fields for entering numbers.
- Add four buttons for addition, subtraction, multiplication, and division.
- Display the result dynamically below the buttons when a calculation is performed.
- Add validation to ensure the user enters numbers only.

C. To-Do List Section

- Input field to enter a new task.
 - Button labeled "Add Task".
 - Display tasks in an unordered list (``).
 - Add "Delete" buttons to remove individual tasks.
 - Add a "Mark as Done" feature to strike-through completed tasks.
 - Use CSS to differentiate completed tasks with styles like `text-decoration: line-through` .
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Styling (CSS)

1. Use CSS to style the sections:
 - **Welcome Section:** Centered text with a warm color scheme.
 - **Calculator Section:** Well-aligned input fields and buttons with hover effects.
 - **To-Do List Section:** Clean and user-friendly design, highlighting completed tasks.
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Bonus Features (Optional)

1. **Save to Local Storage:**
 - Save the to-do list items so they persist after refreshing the page.
2. **Edit Task:**

- Add an "Edit" button for each task to allow inline editing.

3. Dark Mode Toggle:

- Add a button to toggle between light and dark themes for the entire page.
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Example User Flow:

1. User enters their name → Click "Greet Me" → Displays "Hello, [Name]! Welcome to your interactive page."
 2. User performs calculations → Inputs 10 and 5 → Click "Add" → Displays "Result: 15".
 3. User adds tasks to the to-do list → Enters "Buy groceries" → Clicks "Add Task" → Task appears in the list with options to "Delete" or "Mark as Done".
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Submission Instructions

1. Save your file as `interactive-todo.html`.
 2. Add the files into a folder named `Combined_Day07_Day08_Assignment`.
 3. Ensure all features are functional and well-styled.
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