

# MLSA INTERNSHIP PROJECT

**Presented by: Nandita Sarkar**

**ROLL NO. 2300290100162**

**BRANCH :CSE**

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**DOMAIN: WEV DEVELOPMENT**

# TO-DO LIST

PROJECT-1

# Introduction to the To-Do List Application

- Purpose of the Project:**

- Create a simple, interactive to-do list that allows users to add, check off, and remove tasks.

- Technologies Used:**

- HTML** for structure

- CSS** for styling

- JavaScript** for functionality

# HTML Elements Explained:

- Container:** The `<div class="todo-app">` element is the main container that holds all the components of the app, providing structure and organization to the layout.
- Heading:** The `<h2>To-Do List</h2>` element displays the main title of the application. This can also include an icon to make it visually engaging.
- Input Field:** The `<input type="text" id="input-box">` element is where users can type in new tasks to add to the list. It has a placeholder text to prompt users to enter their task.
- Button:** The `<button onclick="addTask()">Add</button>` element triggers the addition of a new task. When clicked, it calls the `addTask()` JavaScript function to add the inputted task to the list.
- Task List:** The `<ul id="list-container">` element is an unordered list that displays each task as a list item. Each task appears as a separate item within this list, making it easy for users to view and manage their tasks.

# CSS Styling

- **Styling Overview:**

- **Container Styling:** Linear gradient background,
  - central alignment, and padding.

- **To-Do App Box:** White background, padding, and
  - border radius for smooth corners.

- **Input and Button Styling**

- **Input:** Transparent background,
  - rounded borders, and padding.
- **Button:** Rounded corners, red color, and hover effect.

# JavaScript Functions - Adding Tasks

- Function:** `addTask()`
- Purpose:** Adds a new task to the to-do list.
- How it Works:**
  - Checks if the input is empty.
  - Creates a new list item (`<li>`) and adds the input text.
  - Adds a "remove" button (styled as an x) to each task.
  - Saves the task list to local storage with `saveData()`.

## JavaScript Functions - Displaying and Toggling Tasks

- Event Listener for List Actions:
- Purpose:** Handles clicks on tasks and the remove button.
- How it Works:**
  - Adds a "checked" class to a task when clicked, indicating completion.
  - Removes the task if the "x" button is clicked
  - Updates the saved task list in local storage using `saveData()`.

The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the right side of the image, creating a modern, layered effect. The rest of the background is a solid, very light blue.

THANKYOU