

# Task Report

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- Task Title: To-Do List Application Development
- Task Description: Develop a web-based To-Do list application that allows users to add tasks, mark them as done, and remove them from the list.

## **# Steps Taken:**

1. Initial Setup: Created HTML, CSS, and JavaScript files for the project.
2. HTML Structure: Developed the basic structure of the application including input field, button, and task list container.
3. Styling: Styled the application using CSS to make it visually appealing and user-friendly.
4. JavaScript Functionality:
  - Implemented functionality to add tasks to the list.
  - Enabled users to mark tasks as done by clicking on them.
  - Provided the option to remove tasks from the list.
  - Added event listeners to handle both Enter key press and button click for adding tasks.
5. Prevent Accidental Refresh: Implemented code to prevent accidental refresh of the page and to display a warning message to the user before leaving the page.

## **# Challenges Faced:**

1. Handling Keyboard Events: Initially faced challenges in properly handling the Enter key press event to add tasks.

2. Dynamic Element Manipulation: Figuring out the correct approach to dynamically add and remove tasks from the list posed some difficulties.

### **# Solutions Implemented:**

1. Keyboard Event Handling: Resolved the issue by properly attaching event listeners to the input field to detect Enter key press.

2. Dynamic Element Manipulation: Used JavaScript DOM manipulation techniques to dynamically add and remove tasks from the list.

### **# Learnings:**

1. Event Handling: Enhanced understanding of event handling in JavaScript, particularly regarding keyboard events and click events.

2. DOM Manipulation: Gained proficiency in manipulating the DOM dynamically to create interactive web applications.

3. User Experience Considerations: Learned the importance of providing feedback to users and preventing accidental actions.

### **# Project Update:**

The To-Do List application has been successfully developed and tested. It fulfills the requirements outlined in the task description. The application provides a simple and intuitive interface for managing tasks efficiently.

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This project report summarizes the development process, challenges faced, solutions implemented, and key learnings from the creation of the To-Do List application.