

Assignment: To-Do List App

Objective:

Create a simple To-Do list application using only Vanilla JavaScript, HTML, and CSS. This app should allow users to add, remove, and toggle the completion status of to-do items.

Requirements:

1. Basic Structure

- The app should have a form for the user to add new to-dos.
- A button to add the to-do item to the list.
- A list area where all the to-do items are displayed.

2. Adding Todos

- Users should be able to type a task into the input field and click a button to add it to the to-do list.
- Each to-do item should appear as an individual element in the list.
- Clear the input field after adding the to-do.

3. Removing Todos

- Each to-do item should have a delete button next to it.
- Clicking the delete button should remove the specific to-do from the list.

4. Toggling Todos

- Users should be able to mark a to-do as completed by clicking on it.
- Completed to-dos should be visually distinct (by striking through the text and changing its color to a muted color).
- Clicking a completed to-do should toggle it back to its original state (uncompleted).

5. Visual Styling

- Use CSS to style the app. Make sure it's clean and user-friendly.
- Ensure the UI elements are properly aligned and have some basic responsive design.
- Use different styles to distinguish between completed and uncompleted to-dos.

Bonus Features (Optional):

- **Filter Todos:** Add buttons or a dropdown to filter the list to show all, only completed, or only uncompleted to-dos.

- **Persistence:** Save the to-do list in the browser's local storage so that it persists across page reloads.
- **Edit Todos:** Allow users to edit an existing to-do item (e.g, edit the title)