# Theoretical JS Project:

Outline your proposed process and estimated effort/development time (a high and low range is perfectly fine) to build a simple To-Do List web page application that allows users to add, edit, delete, and mark tasks as complete.

**Project Requirements:**

1. **HTML Structure**:
   * Basic web page layout with the following:
     + A heading (<h1>) that displays "To-Do List".
     + A form with a single input field for adding new tasks and a submit button, with validation to prevent empty tasks from be added.
     + A list (<ul>) that will hold the to-do items dynamically.
2. **CSS Styling**:
   * Tasks should have an "incomplete" and "complete" visual distinction (e.g., strike-through for completed tasks, different background color).
   * The layout should be clean and responsive.
3. **JavaScript Functionality**:
   * **Add New Task**: When a user submits a new task, it should be added to the list.
   * **Mark Task as Complete/Incomplete**: Users should be able to click on a task to toggle between complete and incomplete states.
   * **Delete Task**: Each task should have a delete button next to it, which removes the task from the list when clicked.
   * **Edit Task** (optional, bonus): The user should be able to edit a task by clicking an "edit" button next to the task.
4. **Interactivity**:
   * Use event listeners (e.g., click, submit) to handle actions without reloading the page.
   * Dynamically update the list of tasks in the DOM.
5. **Optional Bonus Features** (if time allows):
   * **LocalStorage**: Persist the to-do list so that tasks remain after the page is refreshed.
   * **Task Filtering**: Provide a way to filter the tasks (e.g., “All”, “Completed”, “Incomplete”).

## Scope Defining Questions:

What questions do you have that would help you better define the scope of this proposed project?

Describe Your Process for Completing this Project:From start to finish, summarize your process for developing this project:

## Estimated Effort / Range for Development:

Estimate your development time for building this project. Be sure to include time for testing. Add additional notes here as needed.