

Project Title: To-Do List Application

Project Overview:

The To-Do List app allows users to manage their daily tasks efficiently. Users can create, view, update, and delete tasks, as well as mark them as complete. The application emphasizes simplicity, responsiveness, and reliable performance.

Functional Requirements:

1. **Create Task:** Users can add a task with a title, description, due date, and priority level.
 2. **View Tasks:** Users can view all their tasks with details like title, status, and due date.
 3. **Edit Task:** Users can modify task details including title, description, due date, and priority.
 4. **Delete Task:** Users can remove any task.
 5. **Mark Task as Completed:** Tasks can be marked as complete or incomplete.
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Non-Functional Requirements:

1. **Usability:**
 - Interfaces should be user-friendly and intuitive.
2. **Performance:**
 - Tasks should load within 2 seconds.
 - Task creation, editing, and deletion should respond in under 1 second.
3. **Scalability:**

- System should handle hundreds of tasks per user without performance degradation.

4. Reliability:

- 99% uptime expected.
- Tasks must persist after system crash or reload.

5. Security:

- Passwords stored securely (e.g., hashed).
- Authenticated access only.
- Users can access only their own data.

6. Responsiveness:

- Fully functional across desktops, tablets, and mobile devices.

7. Maintainability:

- Code follows clean code practices.
- Documentation provided for developers.

8. Backup and Recovery (Optional):

- Regular task data backups implemented.

AI-Generated Insights:
Generated using ChatGPT

Team Roles:

- Project Manager: Fatima Ch
- Developer: Hina Ayub
- Tester: Alisha Kanwar