Software Project Planning

1. Project obj

**2. Functional Requirements**

**1. Task Creation**

**Description**: The system should allow users to create new tasks with a title, description, due date, and priority level.

* **Priority**: Must-have

**2. Task Editing**

**Description**: The system should allow users to edit the details of a task after creation, including title, description, due date, and priority.

* **Priority**: Must-have

**3. Task Deletion**

**Description**: The system should allow users to delete tasks they no longer need or have already completed.

* **Priority**: Must-have

**4. Task Categorization**

**Description**: The system should allow users to categorize tasks into different groups or categories.

* **Priority**: Should-have

**5. Task Due Date Notification**

**Description**: The system should send users notifications when a task's due date is approaching or has passed.

* **Priority**: Could-have

**6. Task Completion**

**Description**: The system should allow users to mark tasks as completed.

* **Priority**: Must-have

**7. Task Sorting and Filtering**

**Description**: The system should allow users to sort and filter tasks by due date, priority, or completion status.

* **Priority**: Should-have

**3.Non-Functional Requirements**

**1. Performance**

* **Description**: The app should load tasks and updates instantly, with no noticeable delay in task creation or modification.
* **Priority**: Must-have

**2. Scalability**

* **Description**: The app should be able to handle an increasing number of users and tasks as it grows, without performance degradation.
* **Priority**: Should-have

**3. Usability**

* **Description**: The app should have an intuitive user interface that requires minimal effort for users to learn and use effectively.
* **Priority**: Must-have

**4. Availability**

* **Description**: The app should be available 99.9% of the time, with minimal downtime.
* **Priority**: Should-have

**5. Cross-Platform Compatibility**

* **Description**: The app should be available on both Android and iOS platforms.
* **Priority**: Should-have

**6. Energy Efficiency**

* **Description**: The app should be optimized for minimal battery consumption on mobile devices.
* **Priority**: Could-have