**Software Requirements Specification (SRS)**

**Project: AI Generated Project**

Prepared By: Your Company Name  
Version: 1.0  
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**1. Introduction**

**1.1 Purpose**

This document outlines the functional and non-functional requirements for the AI Generated Project system. The primary purpose of this project is To help users manage their tasks efficiently..

**1.2 Scope**

The AI Generated Project system will provide functionalities for:

* Task Management
* Project Planning

**1.3 Intended Audience**

This document is intended for the following stakeholders:

* Students
* Professionals
* General users
* Project Managers
* Developers
* QA/Testers

**2. System Overview**

A simple and intuitive to-do list app designed to help users manage tasks efficiently.

The system will consist of the following primary functional areas:

* Task Management
* Task Scheduling
* Task Categorization
* Deadline Notifications

**3. Functional Requirements**

**3.1 Task Management [0]**

**Description:** Users should be able to create, edit, and delete tasks.

**Priority:** High

**Acceptance Criteria:** A user can add a new task with a title and optional description.

* A user can modify the title and description of an existing task.
* A user can delete an existing task permanently.
* Deleted tasks are unrecoverable.

**Dependencies:** []

**Related Requirements:** []

**Business Value:** Enhances user productivity by enabling efficient task management and organization.

**3.2 Task Scheduling [1]**

**Description:** Users can assign due dates and set reminders for tasks.

**Priority:** High

**Type:** Functional

**Acceptance Criteria:** Users can input a due date for a task in a user-friendly format (e.g., MM/DD/YYYY or DD-MMM-YYYY).

* Users can set a reminder for a task, specifying a time and date.

**Constraints:** Due dates must be in the future.

* Reminders must be set for a time before the due date.

**Related Requirements:** []

**3.3 Task Categorization [2]**

**Description:** Users should be able to assign categories or tags to tasks for better organization and filtering.

**Application Context:** To-Do List App

**Priority:** High

**Acceptance Criteria:** Users can create new categories/tags.

* Users can assign multiple categories/tags to a single task.
* Tasks can be filtered and displayed based on assigned categories/tags.
* The system should store and retrieve assigned categories/tags efficiently.

**Stakeholders:** End Users

* Product Owner

**3.4 Deadline Notifications [3]**

**Description:** The app should notify users of upcoming deadlines.

**Priority:** High

**Type:** Functional

**Acceptance Criteria:** The app should send a notification at least one day before the deadline of a task.

* The notification should include the task title and deadline date.
* Users should be able to customize notification preferences, such as the time of day and method of notification (e.g., push notification, email).
* Users should have the option to snooze or dismiss notifications.

**Constraints:** Notifications should not be intrusive and should respect user's privacy.

* The notification system should be reliable and efficient.
* The app should handle different time zones correctly.

**Dependencies:** []

**4. Non-Functional Requirements**

|  |  |
| --- | --- |
| **ID** | **Description** |
| NFR1 | The application should be responsive and mobile-friendly. |
| NFR2 | Tasks should sync across devices using cloud storage. |
| NFR3 | The system should support at least 10,000 users simultaneously. |