

Design Document for Task Management App

Introduction:

The purpose of this document is to outline the design for the Task Management App. The Task Management App is designed to help users manage their individual and team projects by providing a simple and intuitive interface for creating and managing tasks, setting deadlines, and tracking progress.

Design Elements:

1. User Interface:

- The app will use a clean and modern design that is easy to navigate.
- The UI will be designed to be responsive, adapting to various screen sizes and devices.
- The UI will use the Material UI library for consistent styling across components.

2. Project Management:

- Users will be able to create and manage multiple projects within their account.
- The project overview page will display a list of all projects, including project name, description, start and end dates, and completion status.
- Users will be able to create new projects, edit existing projects, and delete projects as needed.

3. Task Management:

- Users will be able to create, assign, and manage tasks within a project.
- The task overview page will display a list of all tasks within a project, including task name, description, due date, priority level, and completion status.
- Users will be able to create new tasks, edit existing tasks, and delete tasks as needed.
- Users will be able to set task dependencies, where one task cannot start until another is complete.

4. Collaboration:

- Users will be able to share tasks with other project members.
- Users will be able to communicate with each other through the app using a messaging system.
- Users will be able to view each other's progress on tasks.

5. Reminders and Notifications:

- The app will send notifications to users when tasks are assigned, when tasks are due, and when tasks are complete.

- Users will be able to choose the frequency and type of notifications they receive.
- 6. Time Tracking:
 - Users will be able to track the time spent on each task.
 - The app will display the total time spent on each task and on the project as a whole.
- 7. Data Export:
 - Users will be able to export project data to other formats, such as CSV or Excel.
 - The exported data will include project name, description, tasks, due dates, completion status, and time spent on tasks.

Conclusion:

The Task Management App will be designed with a clean and modern interface that is easy to navigate and responsive to different screen sizes and devices. The app will include project management, task management, collaboration features, reminders and notifications, time tracking, and data export capabilities. By following these design elements, the Task Management App will be a valuable tool for users to manage their tasks and projects efficiently.