

# Software Requirement Specification for Task Portal

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<b>Problem Statement</b>	Admin and user dashboard for task portal to view overdue, active and completed task

## 1. Technical Components:

COMPONENT	TECH STACK
1.Backend	Node.js with Express.js
2.Frontend	React (JS Library for building user interfaces)
3.Database	MongoDB(NOSQL Database)
4.API	OpenAPI

## 2. Problem Statement:

Creating admin and user dashboards for a task portal to view overdue, active, and completed tasks. These dashboards will provide a centralized platform for tracking task statuses efficiently. The admin dashboard will offer oversight, task management, and analytics functionalities, while the user dashboard will focus on task tracking and collaboration features. The goal is to enhance productivity and streamline task management processes within the organization.

### **3. Project Flow:**

#### **1. Purpose :**

The purpose of the admin and user dashboards for the task portal is to provide centralized oversight and efficient task tracking for overdue, active, and completed tasks. These dashboards aim to streamline task management processes, enhance collaboration, and improve productivity within the organization.

#### **2. Scope:**

The scope of this statement encompasses the development and implementation of both admin and user dashboards within a task portal. It specifically focuses on the functionality to view tasks categorized as overdue, active, and completed. Additionally, it implies the inclusion of features facilitating efficient task tracking, centralized oversight, collaboration, and productivity enhancement.

#### **3. Business Context:**

The business context of this statement lies within organizations seeking to optimize task management processes. By implementing admin and user dashboards within a task portal, businesses aim to streamline operations, improve productivity, and enhance collaboration among teams. The focus on viewing overdue, active, and completed tasks underscores the importance of efficient task tracking and management in achieving business objectives. These dashboards provide valuable insights, facilitate decision-making, and contribute to overall organizational efficiency and effectiveness.

#### **4. Consideration:**

1. User Experience and Functionality: Prioritize the design and functionality of the dashboards to ensure they are user-friendly, intuitive, and provide easy access to overdue, active, and completed tasks. Focus on features that enhance task tracking, collaboration, and productivity.

2. Security and Compliance: Implement robust security measures to protect sensitive task data and ensure compliance with relevant regulations. This includes encryption, access controls, and regular security audits to mitigate risks associated with unauthorized access or data breaches.

## 5. Dependencies:

1. Data Management System Integration: Integration with the organization's existing data management systems is crucial for accessing and updating task-related information. Dependencies include compatibility with databases, APIs, or other data sources to ensure seamless data exchange between the task portal and other systems.

2. Technology Infrastructure: The performance and functionality of the admin and user dashboards rely on the underlying technology infrastructure. Dependencies include reliable internet connectivity, server capacity, and software frameworks to support the development, deployment, and maintenance of the dashboards.

## 6. User personas:

### 1. Admin:

Responsibilities: Manages the overall task portal, oversees task allocation, monitors project progress, and generates reports on task completion rates and performance.

Needs: Requires a dashboard with advanced administrative controls, such as task assignment, user management, and analytics tools for tracking project metrics and ensuring efficient task distribution.

### 2. User:

Responsibilities: Works on assigned tasks, collaborates with team members, updates task statuses, and tracks project deadlines.

Needs: Requires a user-friendly dashboard with clear visibility of assigned tasks, notifications for overdue tasks, collaboration features for team communication, and the ability to prioritize and update task statuses efficiently.

## 7. Functional Requirements:

### User Authentication:

Implement secure login using Google via Auth for user authentication.

### Dashboard Overview:

Provide separate dashboards for admins and users to view overdue, active, and completed tasks.

### Task Management:

- Admins can create, edit, and delete tasks, assign them to users or teams, and set priority levels and due dates.
- Users can view assigned tasks, update task status (e.g., mark as complete, in progress), and set reminders for upcoming tasks.

### Task Filtering and Sorting:

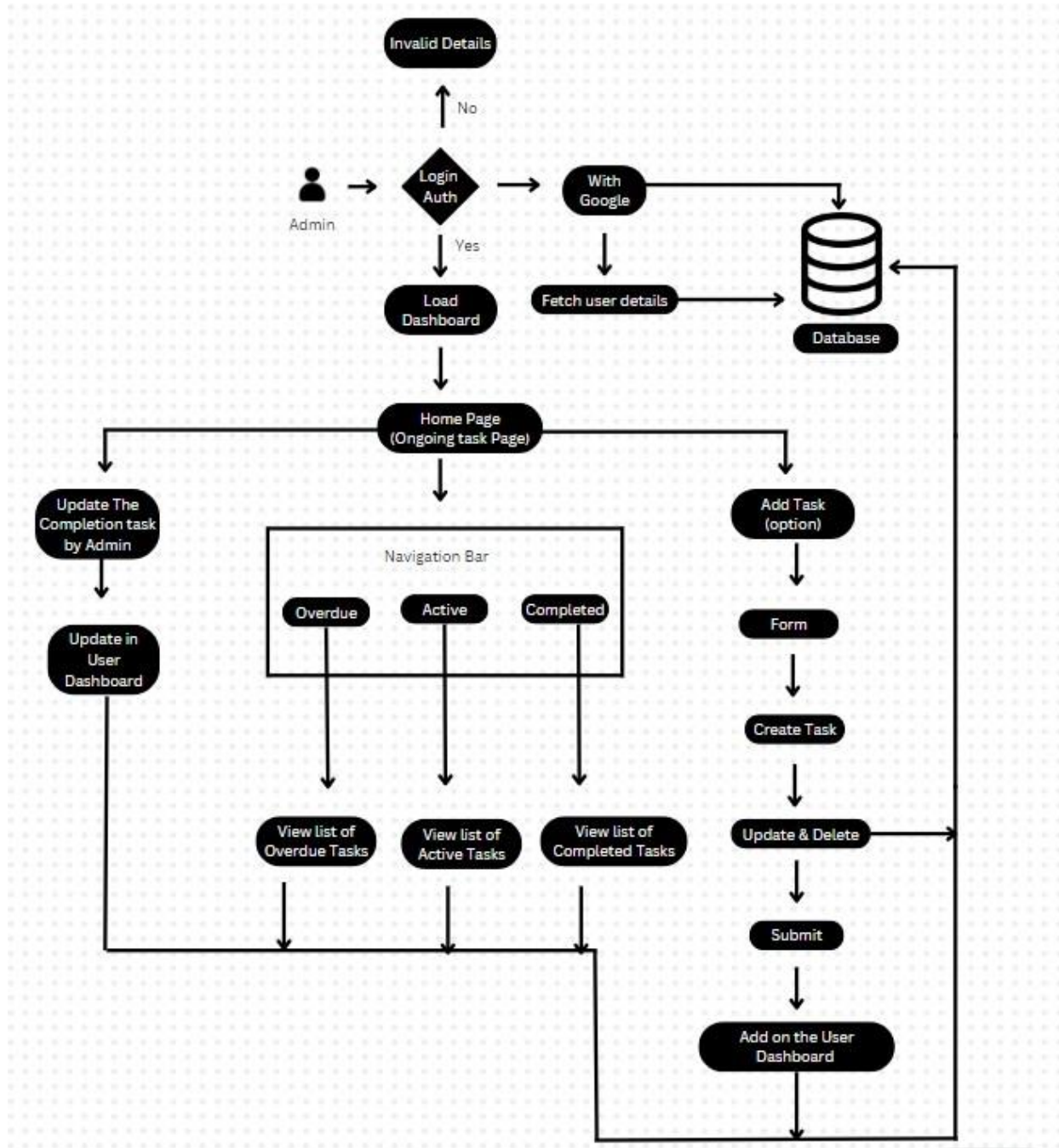
Allow users to filter and sort tasks based on criteria such as priority, due date, and status for better organization and prioritization.

### Real-time Updates:

Ensure that both admin and user dashboards provide real-time updates on task statuses and changes for timely decision-making and action.

## 4.FLOWCHART:

### 4.1. Admin:



#### 4.2. User:

