

Project Planning & Management

1. Project Proposal

Overview: This project aims to develop a **Task Management System** that allows users to create, manage, and track tasks efficiently.

Objectives:

- Enable users to create, update, and delete tasks.
- Implement task categorization, priority levels, and due dates.
- Provide filtering and searching functionalities.
- Use React (frontend) and Node.js/Express with MongoDB (backend).

Scope:

- Authentication using email/password and Google login.
 - Responsive and user-friendly UI.
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2. Project Plan

Timeline (Gantt Chart):

Week	Task
1	Project setup, wireframing
2	Core feature development (task creation, deletion, etc.)
3	Task filtering, sorting, search
4	UI enhancements, deployment, documentation

Milestones & Deliverables:

- Week 1: Basic layout, wireframes
- Week 2: Task management core features
- Week 3: Filtering, search functionality
- Week 4: UI completion, deployment, documentation

Resource Allocation:

- **Frontend Development:** React, Redux
 - **Backend Development:** Node.js, Express, MongoDB
 - **Database Management:** MongoDB
 - **UI/UX Design:** Figma
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3. Task Assignment & Roles

Name	Responsibilities
Rawan	Design and oversee the entire project, backend integration
Hagar	Implement UI, make edit & delete work
Sajy	Develop APIs, backend integration
Malak	Work on UI with Hagar, implement filters

4. Risk Assessment & Mitigation Plan

Risk	Impact	Mitigation Strategy
Delays in development	High	Set clear deadlines
Database failure	Medium	Implement backups, use cloud storage
Security vulnerabilities	High	Use authentication, validate inputs
Poor UI/UX	Medium	Gather user feedback, iterative design

5. KPIs (Key Performance Indicators)

- **Response Time:** API response time < 500ms.
 - **System Uptime:** 99% availability.
 - **User Adoption Rate:** At least 100 users in first month.
 - **Bug Resolution Time:** 90% of bugs fixed within 24 hours.
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