

Project Estimate Document

Project Title: TaskBoard Pro

A MERN stack-based project and task management application that allows users to create, organize, and track tasks under specific projects.

1. Functional Requirements

- User registration and login
- JWT authentication and role-based access
- Dashboard to view all projects
- CRUD operations for projects and tasks
- Responsive frontend design
- Optional: Search, filters, and task status tracking

2. Technical Requirements

- Frontend: React.js, React Router, CSS/Tailwind
- Backend: Node.js, Express.js
- Database: MongoDB
- Authentication: JWT, bcrypt
- Tools: Visual Studio Code, Postman, GitHub, MongoDB Atlas

3. Time Estimate

Setup & Planning	Environment setup, folder structure, Git initialization	1 day
Backend Development	User, Project, Task models, APIs, authentication	4 – 5 days
Frontend & UI Design	React setup, routing, basic UI, responsive design, validation, bug fixing	4 – 5 days
API Integration & Testing	Connect backend APIs to frontend and perform functional testing	5 days

Total Estimated Time: Approximately 13 –15 days