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

1. 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

1. Time Estimate

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| 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