🧠 TaskMaster Pro

A full-stack collaborative task management application built using the MERN stack with PostgreSQL as the database. It allows users to manage boards, tasks, invite collaborators, and securely manage their accounts.

# 🚀 Features

* 🔐 User Authentication (Register, Login)
* 🧾 Forgot Password (local popup for resetting)
* 📋 Create, Edit, Delete Boards
* 👥 Invite Users to Shared Boards
* ✅ Create, Edit, Delete Tasks
* 📦 Drag & Drop Tasks Between Columns (Kanban style)
* 🔔 Notification System for Board Invitations
* 🎨 Responsive UI with Bootstrap styling

# 🛠️ Tech Stack

Frontend: React + Vite

Backend: Node.js + Express.js

Database: PostgreSQL

Auth: JWT, bcrypt

# 📁 Folder Structure

project-root/  
│  
├── client/ # React frontend  
│ ├── components/  
│ ├── pages/  
│ └── ...  
│  
├── server/ # Express backend  
│ ├── controllers/  
│ ├── models/  
│ ├── routes/  
│ └── ...  
│  
├── .env  
├── README.md  
└── ...

# 🔧 Setup Instructions

## 🖥️ 1. Clone the Repository

git clone https://github.com/yourusername/taskmaster-pro.git  
cd taskmaster-pro

## ⚙️ 2. Backend Setup

cd server  
npm install

Create a `.env` file in `server/` with the following:

PORT=5000  
DB\_URL=postgresql://yourusername:yourpassword@localhost:5432/yourdb  
JWT\_SECRET=your\_jwt\_secret

Run migrations (if using Sequelize or manual SQL)  
Start the backend:  
npm run dev

## 🌐 3. Frontend Setup

cd client  
npm install  
npm run dev

# 🧪 API Endpoints

* POST /api/auth/register - Register user
* POST /api/auth/login - Login and get JWT token
* POST /api/auth/forgot - (Local) Verify email
* POST /api/auth/reset - (Local) Reset password
* GET /api/user - Get logged-in user info
* CRUD /api/boards - Manage boards
* CRUD /api/tasks - Manage tasks
* POST /api/invitations - Send board invites

# 🔐 Forgot Password (Local)

• A "Forgot Password?" link opens a Bootstrap-styled modal.  
• User enters their registered email.  
• If found, allows them to reset their password locally.

# 📸 Screenshots

\*(Add your screenshots here once ready)\*

# 🔗 Live Demo

Coming soon:

Frontend: https://yourfrontend.live

Backend API: https://yourapi.live

# 🤝 Contributors

• Sameer (Frontend + Backend)  
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# 📄 License

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