Task Manager Web App - README

# Technology Stack

Frontend:  
- React 19  
- React Router DOM v7  
- Axios  
- Tailwind CSS  
- Recharts  
- React Icons

Backend:  
- Node.js  
- Express 5  
- MongoDB (via Mongoose)  
- JWT Authentication  
- Bcrypt  
- Dotenv

# Project Structure & Dependencies

## Frontend package.json

"dependencies": {  
 "axios": "^1.9.0",  
 "react": "^19.1.0",  
 "react-dom": "^19.1.0",  
 "react-icons": "^5.5.0",  
 "react-router-dom": "^7.6.1",  
 "recharts": "^2.15.3",  
 "@headlessui/react": "^2.2.4"  
},  
"devDependencies": {  
 "tailwindcss": "^3.4.1",  
 "postcss": "^8.5.4",  
 "autoprefixer": "^10.4.21"  
}

## Backend package.json

"dependencies": {  
 "express": "^5.1.0",  
 "mongoose": "^8.15.1",  
 "jsonwebtoken": "^9.0.2",  
 "bcryptjs": "^3.0.2",  
 "cors": "^2.8.5",  
 "dotenv": "^16.5.0"  
},  
"devDependencies": {  
 "nodemon": "^3.1.10"  
}

# Setup Instructions

Prerequisites:  
- Node.js v14+  
- MongoDB (local or Atlas)

## Backend Setup

1. Navigate to backend folder  
2. Run `npm install`  
3. Create a .env file with:  
MONGO\_URI=your\_mongodb\_connection\_string  
PORT=5000  
JWT\_SECRET=your\_jwt\_secret\_key  
4. Run server with `nodemon server.js`

## Frontend Setup

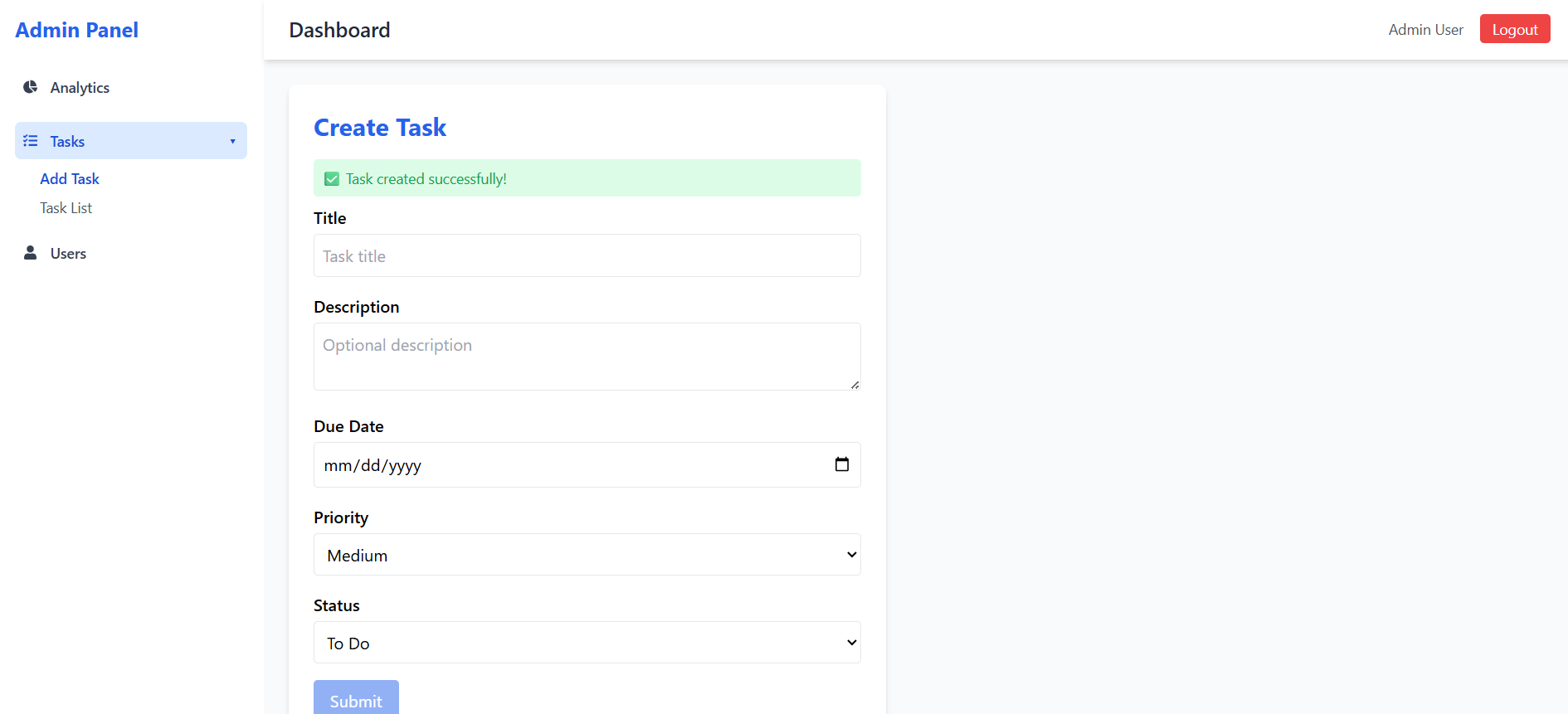
1. Navigate to frontend folder  
2. Run `npm install`  
3. Run client with `npm start`  
4. Visit: http://localhost:3000

# Features

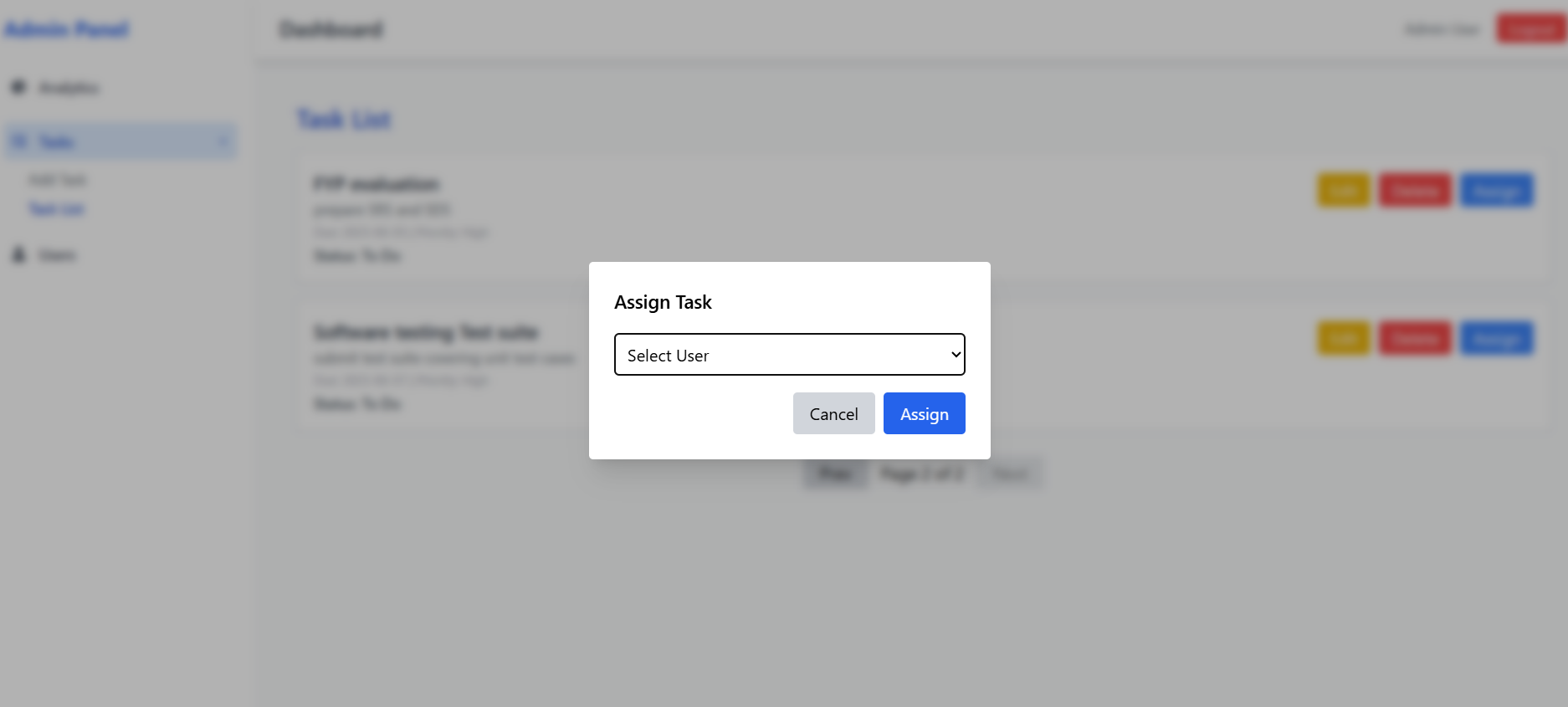
- Admin: Creates, Edit and Delete tasks, Assigns tasks to users, view task analytics.  
- User: View tasks, submit tasks to mark as completed  
- Realtime task status update  
- Secure login via JWT  
- Dashboard analytics with charts.

# Screenshots

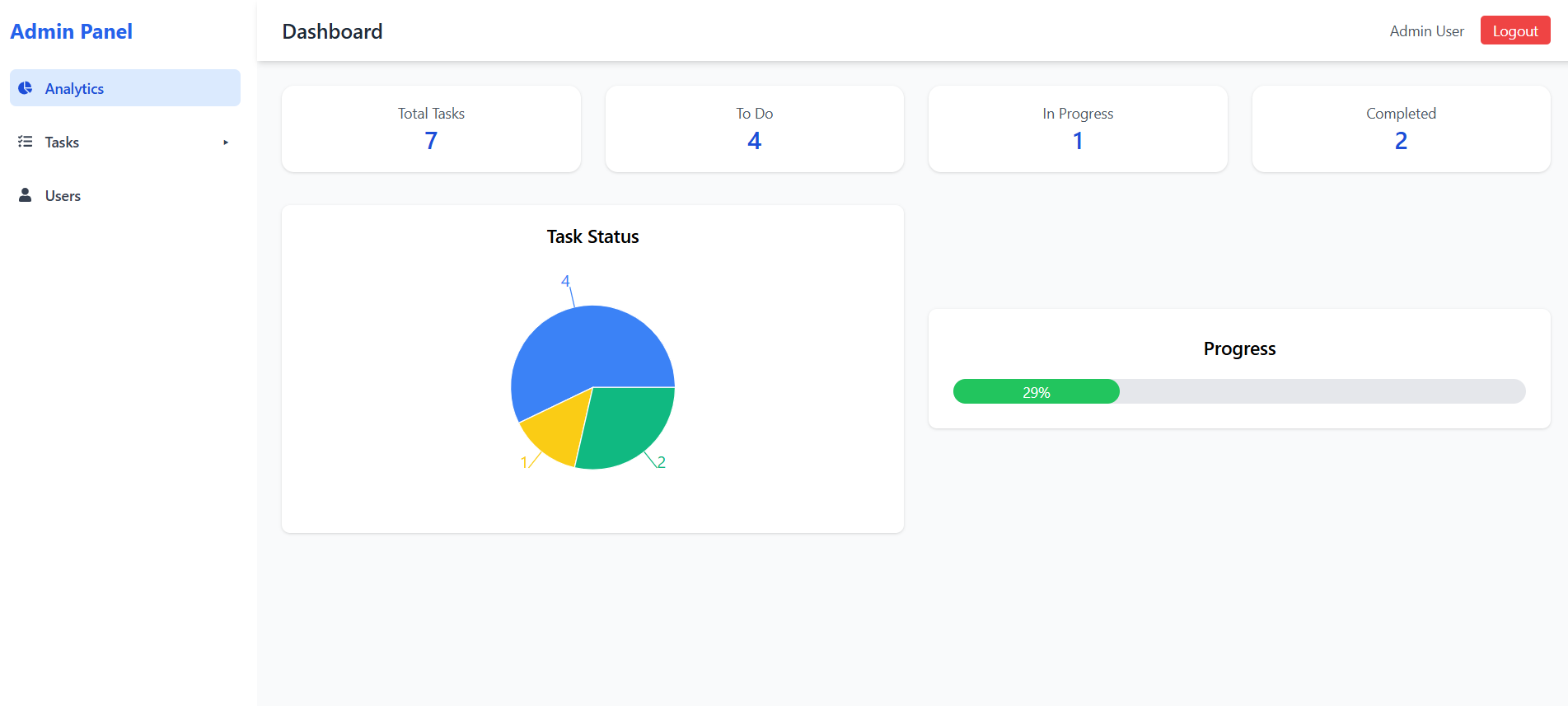
1. Admin-Addtask



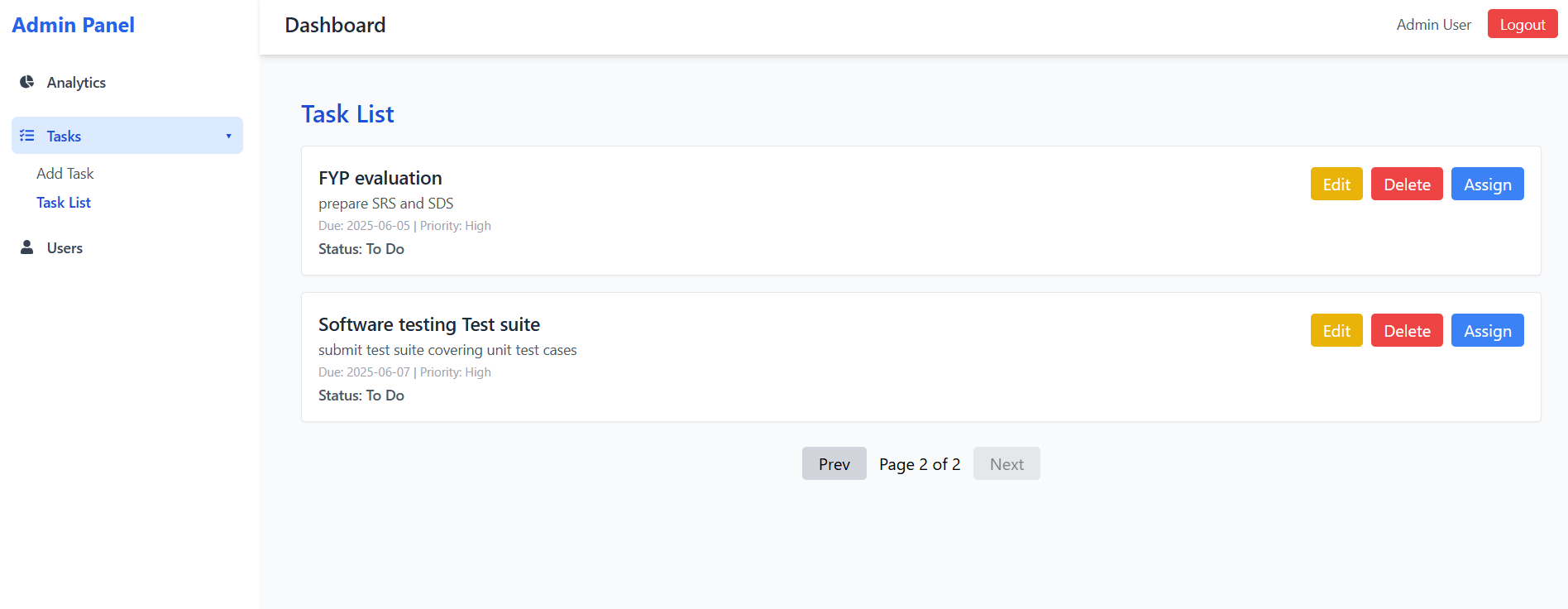
1. Admin-Assigntask



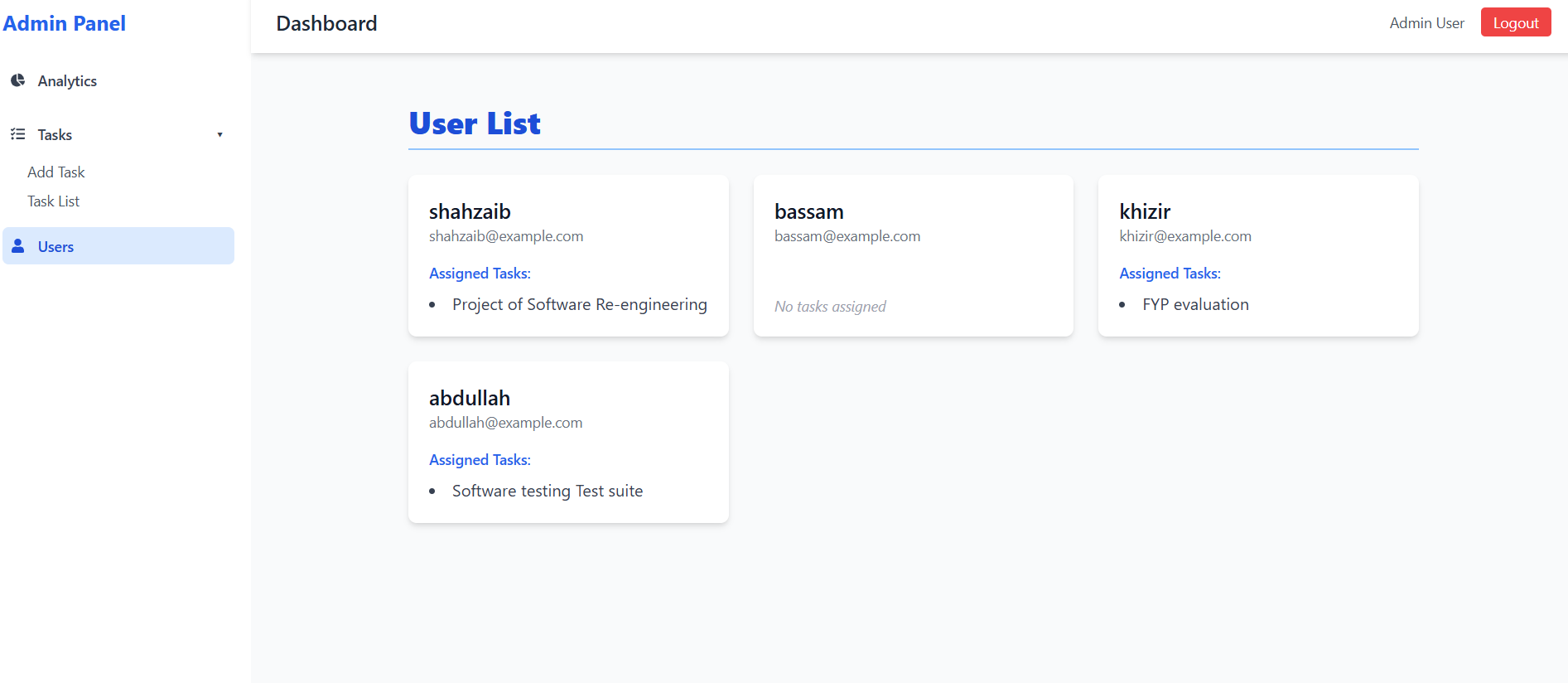
1. Admin-Dashboard



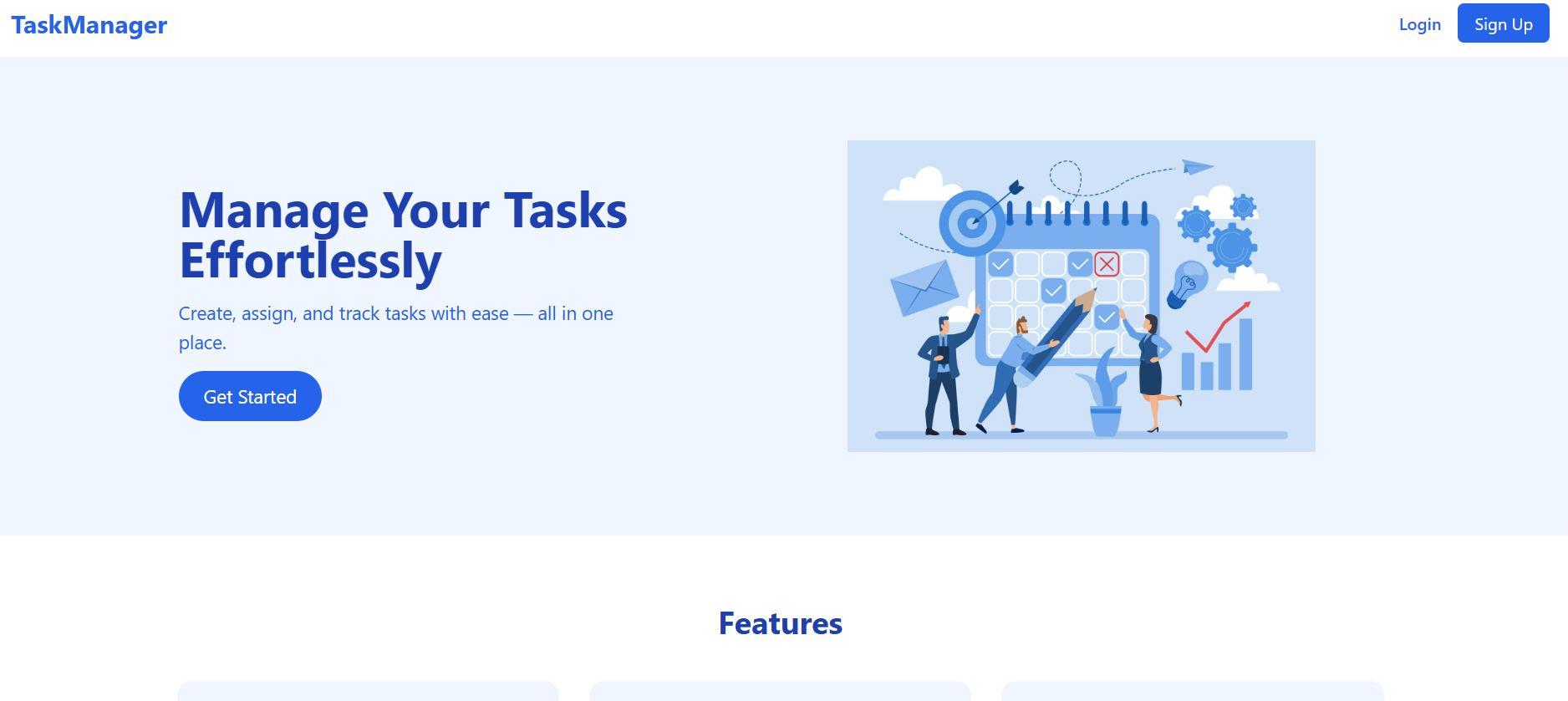
1. Admin-edit/delete tasks

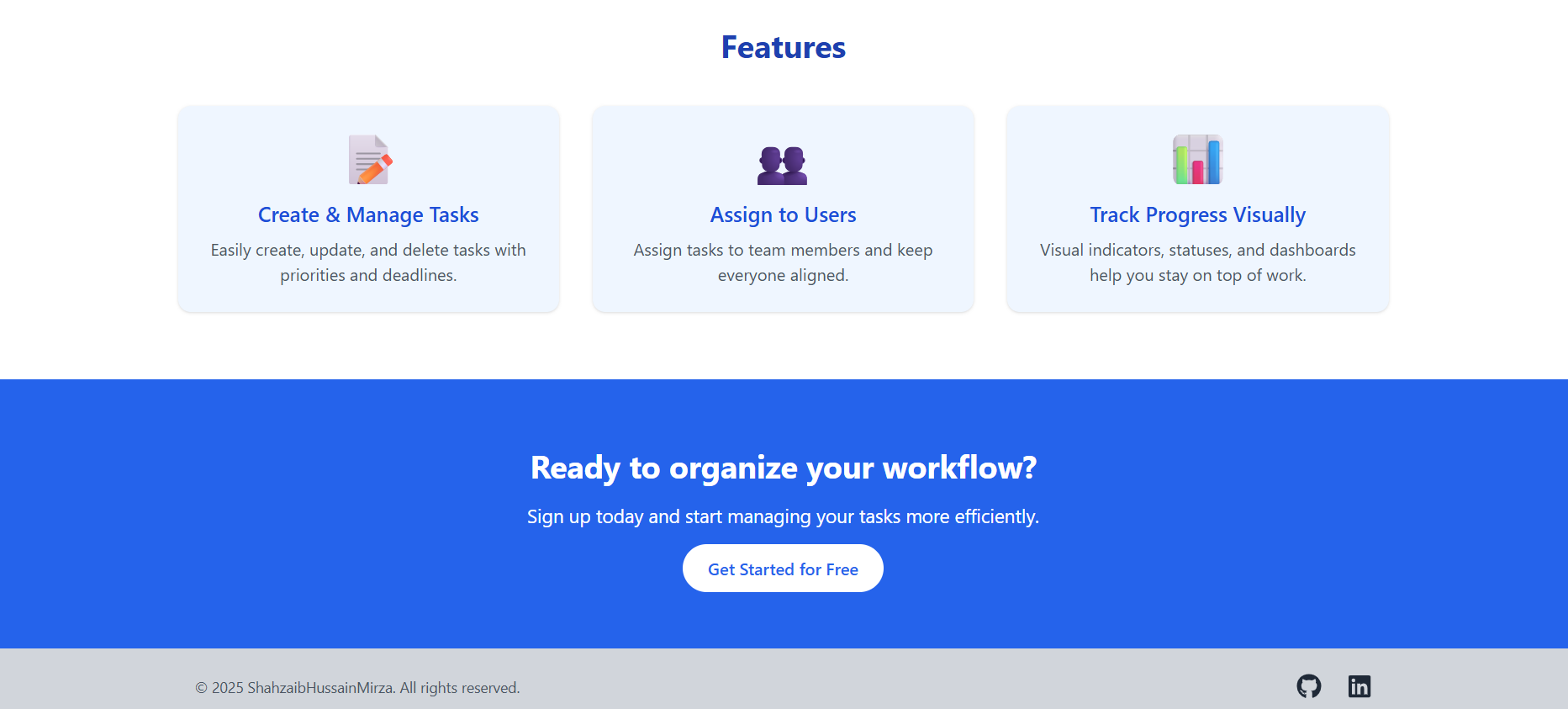


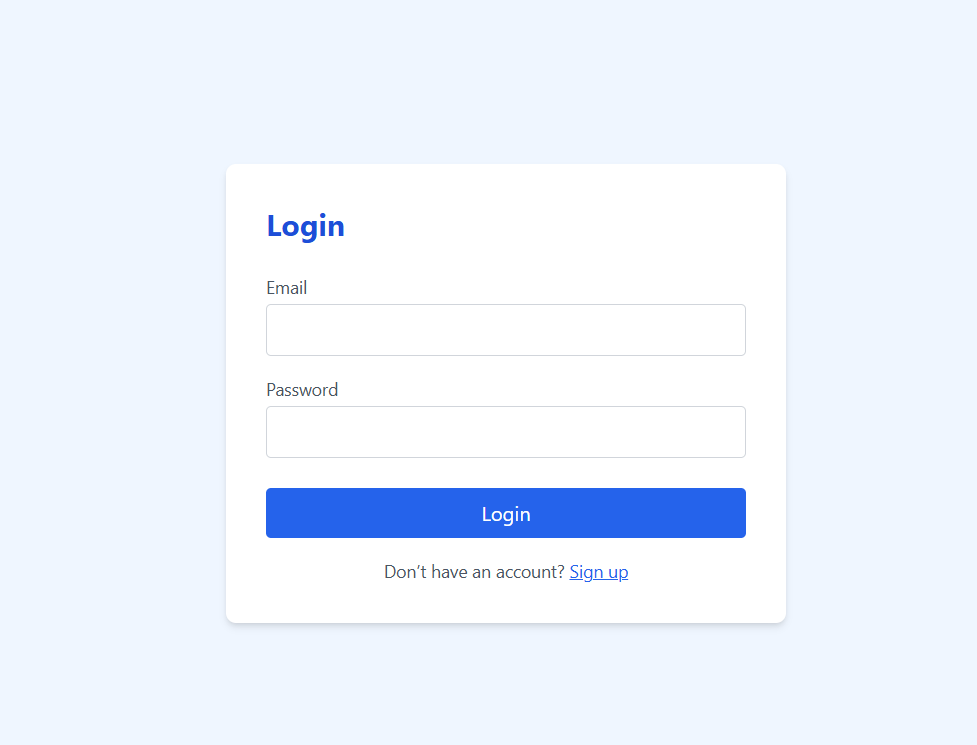
1. Admin-userlist



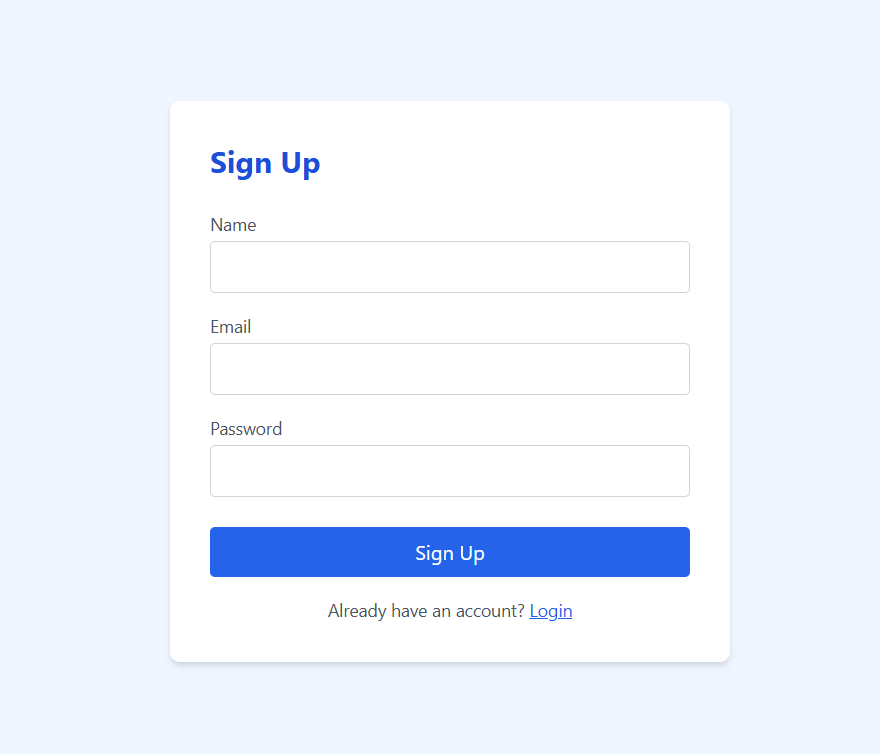
1. Homepage



1. Features
2. Login



1. Register



1. User Dashboard

