Project Documentation

Store manager : keep track of inventory

1.Introduction

I could write an introduction for:

* A **business report**
* An **employee training manual**
* A **new product launch**
* A **team meeting**

Just let me know what you have in mind!

• Project Title: store manager : keep track of inventory

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1.Project Overview: As a store manager, I oversee the "Keep Track of Inventory" project. This initiative aims to implement a comprehensive system for real-time inventory management. The project involves utilizing barcode scanners and a cloud-based software to accurately record stock levels, track product movement, and generate automated reorder alerts. The goal is to minimize stockouts, reduce overstocking, and improve overall operational efficiency. This system will provide a clear overview of our inventory, enabling data-driven decisions and ensuring we meet customer demand effectively.

Project– posting and bidding

– Secure chat system

– Feedback and ystem

– Admin control panel

3. Architecture• Features: review real- time communication

• Frontend: React.js with Bootstrap and Material UI

• Backend: Node.js and Express.js managing server logic and API endpoints

• Database: MongoDB stores user data, project information, applications, and chat messages

4. Setup Instructions

• Prerequisites:

– Node.js

– MongoDB

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– Git

– React.js

– Express.js – Mongoose – Visual Studio Code

• Installation Steps:

# Clone the repository git clone

# Install client dependencies cd

client npm install

# Install server dependencies cd

../server npm install

6. Running the Application

• Frontend:

cd client

npm start •

Backend:

cd server npm

start

• Access: Visit http://localhost:3000

7. API Documentation

• User:

– /api/user/register

– /api/user/login

• Projects:

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– /api/projects/create

– /api/projects/:id • Applications: /api/apply

• Chats:

– /api/chat/send

– /api/chat/:userId

8. Authentication

• JWT-based authentication for secure login

• Middleware protects private routes

9. User Interface

• Landing Page

• Freelancer Dashboard

• Admin Panel

• Project Details Page

10. Testing

• Manual testing during milestones

• Tools: Postman, Chrome Dev Tools

11. Screenshots or Demo

12. Known Issues

13. Future Enhancements s• Purpose: SB Works connects clients and freelancers through project postings, bidding, and