

# PROJECT DOCUMENTATION

## STORE MANAGER-KEEP TRACK OF INVENTORY

### 1.INTRODUCTION

- ❖ **PROJECT TITLE:**STORE MANAGER-KEEP TRACK OF INVENTORY
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### 2.PROJECT OVERVIEW

#### PURPOSE:

- 1.ENHANCE INVENTORY CONTROL:**Provide real-time visiliablity into inventory: level and movement**
- 2.STOCK LEVEL:**Enable business to maintain stock level, reducing stockout and overstocking.**

## **FEATURES:**

### **1.PROJECT POSTING:**

- **Allows store owners to post tasks/projects with details like title, description, budget, timeline, and required skills.**
- **Option to set visibility, attach files, and invite specific bidders.**

### **2. BIDDING SYSTEM:**

- **Freelancers can place bids with proposals, budgets, and timelines.**
- **Option to view competitor bids (optional), modify/delete bids, and receive bid status updates.**

### **3. SECURE CHAT SYSTEM:**

- **Real-time messaging with project-specific chat threads.**
- **End-to-end encryption for privacy, file sharing, and message history with read receipts.**

### **4. FEEDBACK AND REVIEW SYSTEM:**

- **Users can rate each other (1-5 stars) and leave written reviews on communication, quality, and timeliness.**
- **Admins can moderate reviews for abusive content.**

## **5. ADMIN CONTROL PANEL:**

- **Centralized backend to manage users, projects, bids, and disputes.**
- **Analytics dashboard, user/project moderation, review management, and payment system controls.**

# **3.ARCHITECTURE**

## **1.FRONTEND**

- **Tech Stack: HTML, CSS, JavaScript, React/Vue/Angular for dynamic UI.**
- **Features:**
  - **Dashboard, project posting, bidding, real-time chat, profile management.**
  - **Responsive UI with state management (Redux/Context API).**
  - **HTTP requests handled via Axios/Fetch API.**

## **2.BACKEND:**

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- **Tech Stack: Node.js + Express (or Python/Django) for handling logic and APIs.**
  - **Features:**
    - **Authentication: JWT for secure login and role-based access control.**
    - **APIs: Project posting, bid management, chat, reviews.**
    - **Real-time chat via WebSockets.**
    - **Payment Integration (Stripe/PayPal) for transactions.**

- **Security:** Input validation, rate limiting, logging.
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### **3.DATABASE:**

- **Tech Stack:** PostgreSQL/MySQL (relational DB).
- **Tables:**
  - **Users:** Store owners, freelancers, admins.
  - **Projects & Bids:** Store project details and bids.
  - **Messages:** Store chat history.
  - **Reviews:** Rating system for users.
  - **Payments:** Handle escrow and payouts.

### **4.SETUP INSTRUCTION:**

#### **PREREQUISITES:**

1. **Node.js & npm:** Install Node.js
2. **Database:** PostgreSQL or MySQL.
3. **Code Editor:** Install VS Code.
4. **Git:** [Install Git](#).
5. **Postman (Optional):** For testing APIs.

## 5.AUTHENTICATION:

The authentication system ensures that only authorized store managers can access the management dashboard. Managers must log in using a registered email and password. Passwords are securely stored using encryption (e.g., bcrypt). Upon successful login, a session or token (e.g., JWT) is generated to maintain secure access. Role-based access control restricts features to managers only, protecting sensitive operations such as inventory updates, employee oversight, and sales tracking.

## 6.USER INTERFACE:

### 1.Dashboard Overview:

**Displays key metrics (sales, inventory, orders, etc.)**  
**Quick summary of daily/weekly performance**

### 2.Navigation Panel:

**Side or top menu for easy access to modules**  
**Modules include Products, Orders, Employees, Reports, Settings**

### 3.Product Management:

**Add, edit, or delete products**  
**View stock levels and product details**

### 4.Order Management:

**View ongoing, completed, or cancelled orders**  
**Update order status and track deliveries**

### 5.Employee Management:

**Add or remove staff accounts**  
**Assign roles and monitor staff activity**

## 7.ROUTING:

### Frontend Routes (User Interface / React/Vue/Angular)

1. **/login**

Store manager login page

2. **/dashboard**

Main dashboard showing overview (sales, inventory, etc.)

3. **/products**

View and manage all products

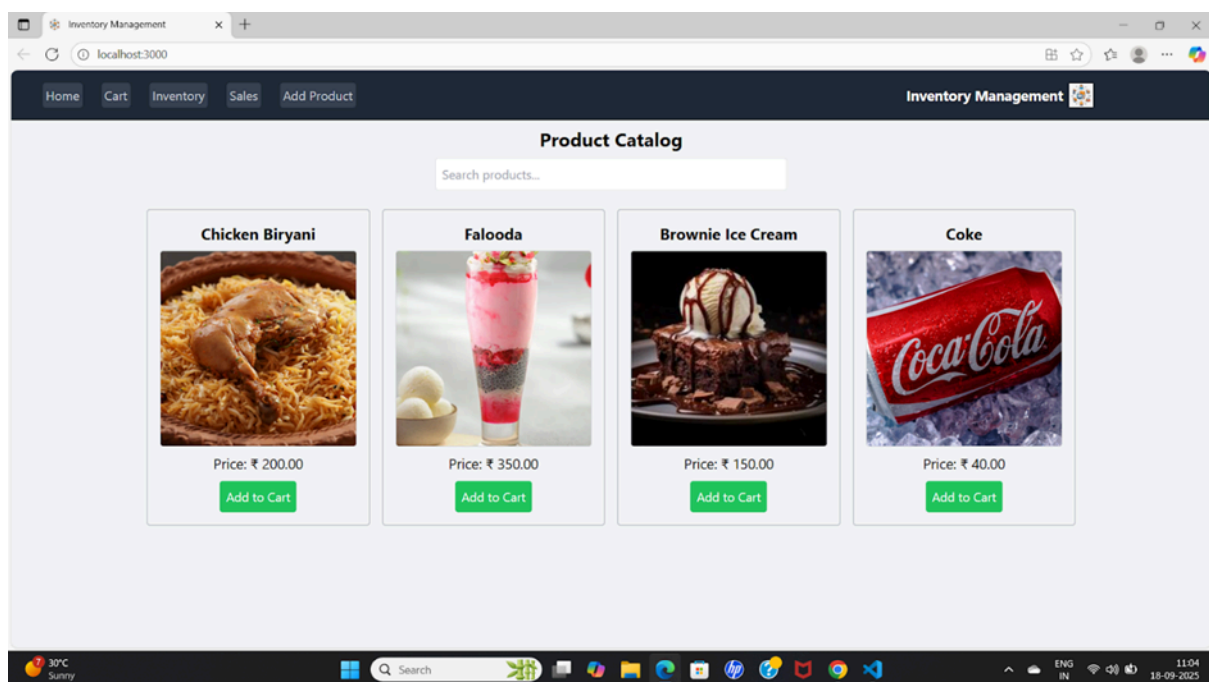
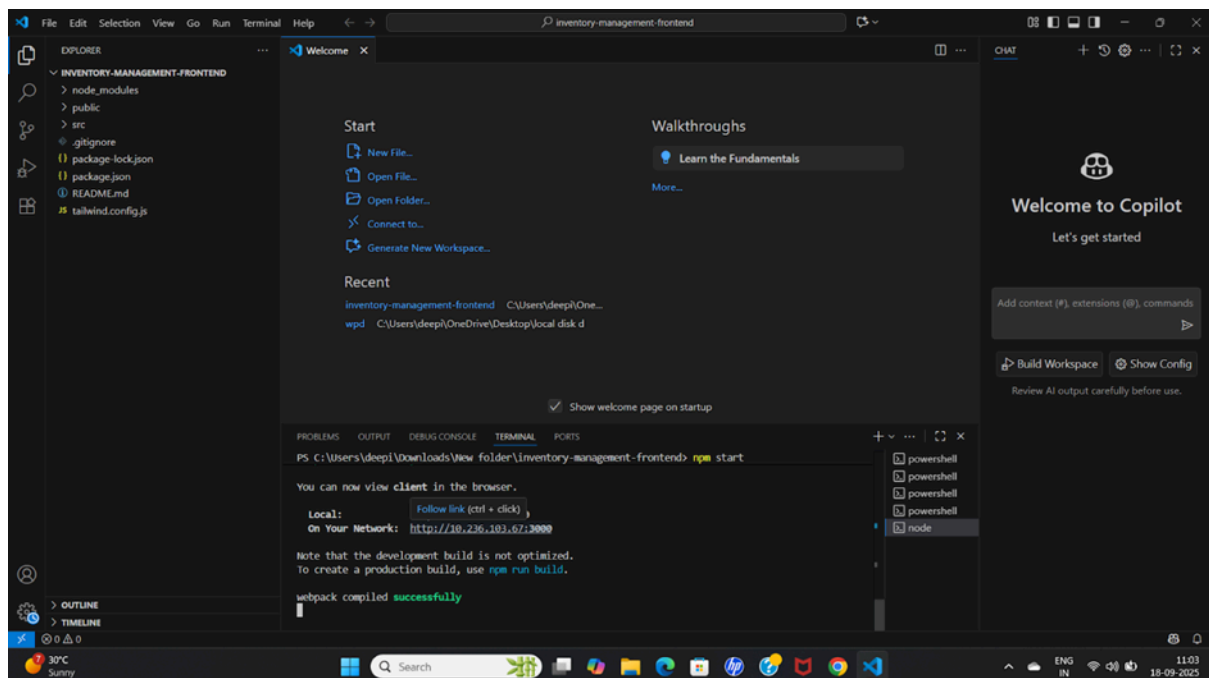
4. **/products/add**

Add a new product

5. **/products/edit/:id**

Edit an existing product (by ID)

## 8.OUTPUT:



## 9.DEMO LINK:

[https://drive.google.com/file/d/1sxPeZ8ujaxtU1irE6nhTLdF2l3Udw6k9/view?usp=drive\\_link](https://drive.google.com/file/d/1sxPeZ8ujaxtU1irE6nhTLdF2l3Udw6k9/view?usp=drive_link)

## 10.PRODUCT ITEMS:

**CHICKEN BRIYANI:200/-**

**FALOODA:350/-**

**BROWNIE WITH ICE CREAM:150/-**

**COKE:40/-**