Project Documentation

STORE MANAGER : Keep track of inventory

1.   Introduction

- **Project Title: Store Manager: Keep track of inventory**

- **Team ID : NM2025TMID34290**

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- **Team Members:**

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2.   Project Overview

- **Purpose:** A project to track inventory for a store manager helps prevent stockouts and overstocking by maintaining accurate records of what's in stock, where it is , and when it needs to be recordered.

- **Features:**

    Demand forecasting & Analytics.

    Real – time tracking.

    Centralized inventory visibility.

    Automated Reordering .

    Mobile Accessibility.

3.   Architecture

- **Frontend:** React.js , Node.js

- **Backend:** Mongo.DB

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

4.   Setup Instructions

- **Prerequisites:**

- Node.js
- MongoDB
- Git
- React.js
- Express.js – Mongoose – Visual Studio Code

- **Installation Steps:**

  # npm install

  # npm start

5.   Folder Structure

```
SB-Works/
|-- client/                 # React frontend
    |__components/
     L___pages/
|___server/                 # Node.js backend
    |__routes/
      |__models/
        |__controllers/
```

6.   Running the Application

- **Frontend:**

  Node.js

  Vsc

  Backend:

  Mongo.DB

- **Access:** Visit http://localhost:3000

7.   API Documentation

- **User:**

  - /api/user/register
  - /api/user/login

- **Projects:**

– /api/projects/create

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

- **Chats:**

  – /api/chat/send

  – /api/chat/:userId

8. Authentication

- JWT-based authentication for secure login
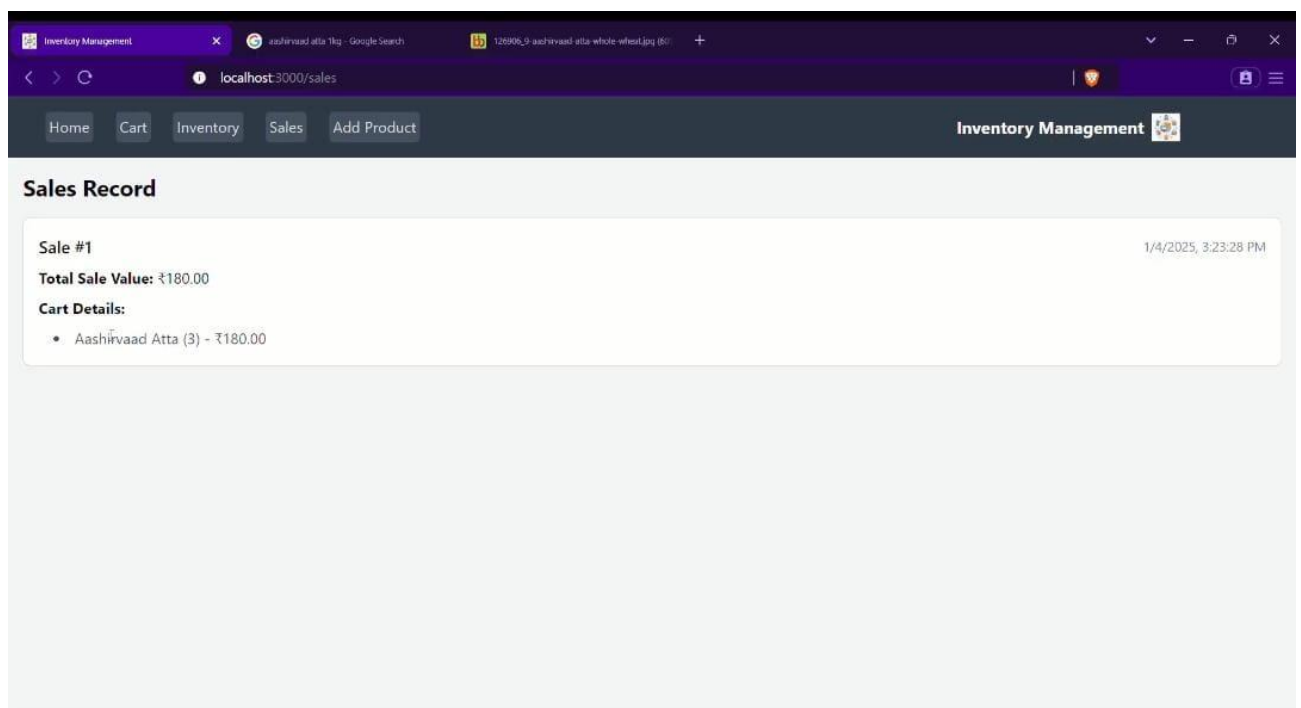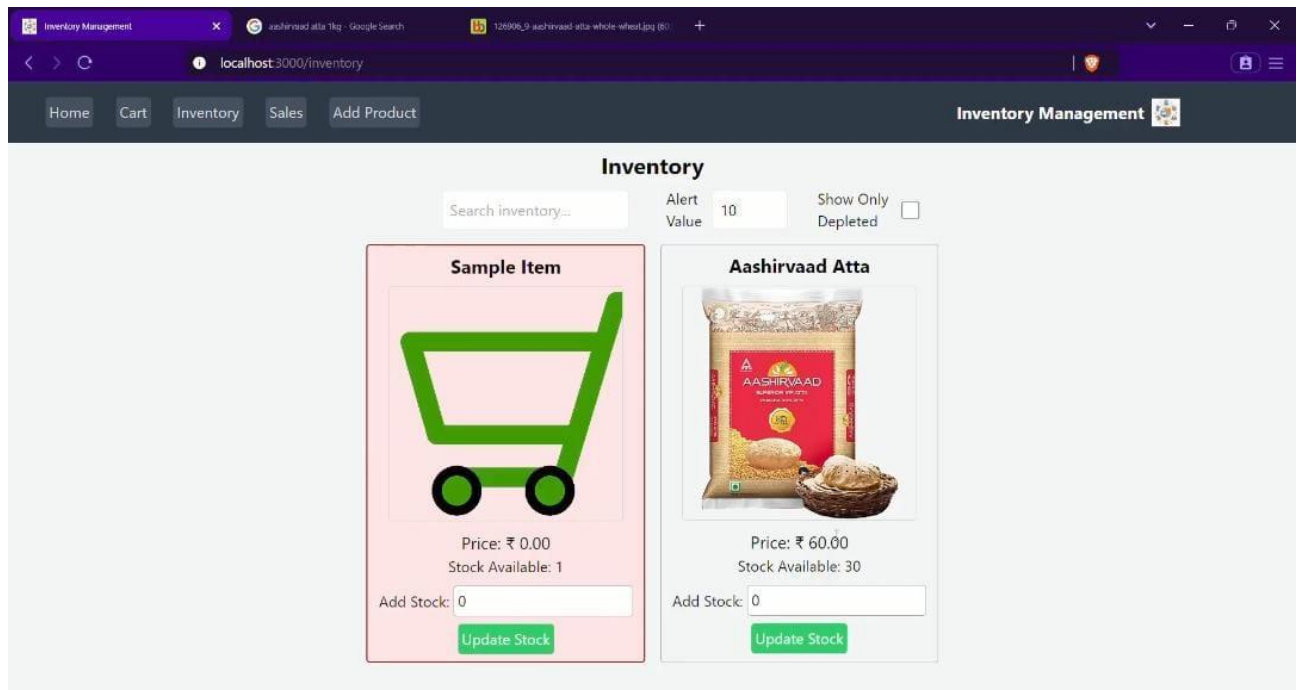
- Middleware protects private routes

9. User Interface

- Chrome

- Whatsapp

- Google Drive

- Github

10. Testing

- Manual testing during milestones

- Tools: Postman, Chrome Dev Tools

11. Screenshots or Demo

Home   Cart   Inventory   Sales   Add Product   **Inventory Management**

Inventory

Search inventory...   Alert Value [10]   Show Only Depleted ☐

Sample Item

Price: ₹ 0.00
Stock Available: 1

Add Stock: [0]

Update Stock

Aashirvaad Atta

Price: ₹ 60.00
Stock Available: 30

Add Stock: [0]

Update Stock

Home   Cart   Inventory   Sales   Add Product   **Inventory Management**

Sales Record

Sale #1   1/4/2025, 3:23:28 PM

Total Sale Value: ₹180.00

Cart Details:

- Aashirvaad Atta (3) - ₹180.00