

ProjectDocumentation

Project Title

1. Introduction

- **ProjectTitle:** Store Manager
- **TeamID:** NM2025TMID37817
- **TeamLeader:**Name: sanju shree.R **Mailid:** sanjushree206@gmail.com

- **TeamMembers:**

- Name: .kirthiga.R & Mail id: kirthikaramesh07@gmail.com
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2. Project Overview

1. Inventory & Product Management – To keep track of products available in a shop/market (like biscuits, wafers, chips, etc.).
2. E-commerce Simulation – It works like a small online shopping system where users can view products and add them to the cart.
3. Automation & Efficiency – Helps reduce manual effort of managing stock, prices, and sales.
4. Learning Objective – Since it is hosted locally (localhost:3000), it looks like a student project or prototype to understand how real-world e-commerce/retail systems work.

3. Architecture

- **Frontend:** React.js with Bootstrap and Material UI for creating a clean and responsive user interface
- **Backend:** Node.js and Express.js for handling server logic, authentication, and API endpoints
- **Database:** MongoDB for storing inventory data, product details, stock levels, and user information

4.Setup Instructions

- **InstallationSteps:**

Clone the repository: git clone<repository-link>cd inventory-storage-

management **Backend Setup:** cd backend

npm install npm

start **Frontend**

Setup: cd

frontend npm

install npm start

5.Folder Structure

- Public
- Src
- README.md
- package-lock.json
- package.json
- tailwind.config.js

6.Running the Application

- **Frontend:**

Cd client npm

start

- **Backend:**

cd server npm

start

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

7.Authentication

- JWT-based authentication for secure login
- Middleware protects private routes (e.g., stock updates, order management)

8.User Interface

Login Page

Dashboard (shows stock status, sales summary)

Product Management Page (add, update, delete products)

Order Management Page (create, view, update orders)

Reports Page (sales report, stock report)

9. Testing

Add, update, delete product details.

Check order creation, modification, and cancellation.

Validate reports generation (sales report, stock report).

10. Screenshots or Demo

[Demo Video](#)

11. Known Issues

It can't able to delete the product

12. Future Enhancements Barcode /

QR Code Integration

Stock Alerts & Notifications

Supplier & Customer Management