

Project Documentation

STORE MANAGER KEEP TRACK OF INVENTORY PROJECTss

1. Introduction

- Project Title: Store Manager
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2. Project Overview

- Purpose: The store manager system is designed to simplify and automate store operations, including inventory control, billing, customer management, and reporting
- Features:
 - Product stock management
 - Sales and billing system
 - Customer management
 - Report generation
 - Admin control panel

3. Architecture

- * Frontend: ReactJS with Bootstrap
- * Backend: Node.js + Express.js (REST APIs)
- * Database: MongoDB (for storing product, sales, and customer details)

4. Setup Instructions

- * Prerequisites:
- *

```
* Node.js
*
* MongoDB
*
* Git
*
* Visual Studio Code

* Installation Steps:
* # Clone repository
* git clone <repository-url>
*
* # Install server dependencies
* cd server
* npm install
*
* # Install client dependencies
* cd client
* npm install
```

5. Folder Structure

```
store-manager/
  client/      # frontend
    src/
      components/
      pages/
  server/     # backend
    models/
    routes/
    controllers/
```

6. Running the Application

```
* Frontend:
```

```
cd client
npm start
Backend:
```

```
cd server  
npm start
```

* Access: <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

Dashboard (Sales & Inventory Overview)

Product Management Page

Customer Management Page

Reports Page

10. Testing

- * Manual testing for major modules.
- * Debugging via Chrome Dev Tools & Postman API tests.

11. Screenshots or Demo

12. Known Issues

Inventory update delay on high traffic.

Report export limited to PDF.

13. Future Enhancements

Multi-store support.

Barcode scanner integration.

Mobile application for store staff.

AI-based sales prediction reports