

Introductions Project Overview

1.Introduction :

- **Project Title** : Store inventory

- Team Members:

➤ Name: Varshneleshan V (Team Leader)
Roles : Voice over

➤ Name : Yogeshwari N (Team member)
Roles : Documentation +demo

video

➤ Name :Vaishnavi G (Team member)
Roles : Documentation +Demo

video

➤ Name : Vijayalakshmi R(Team member)
Roles : Coding

➤ Name : Aishwarya k(Team member)
Roles : Coding +Editing
Institution: Naan Mudhalvan Skill Development Program

2. Project Overview

- Purpose:

To help store managers efficiently track inventory, manage suppliers, and generate sales reports, improving store operations and reducing manual errors.

Features:

- Real-time stock updates
- Supplier and purchase order management
- Sales tracking with report generation
- Search and filter products
- User-friendly interface

Architecture C Setup Instructions

3. Architecture

- Modular design with components for Inventory, Sales, Suppliers, and Dashboard.
- Context API manages global state.

- React Router enables page navigation.

4. Setup Instructions

- Prerequisites: Node.js, npm/yarn, React environment

- Installation:

1. Clone repo
2. Run `npm install`
3. Run `npm start`

Folder Structure CRunning the App

5. Folder Structure*

- Utilities: Helper functions
- Assets: Images and icons

***6. Running the App**

Access at: `http://localhost:3000`

Component Documentation

7. Key Components

- Inventory List: Displays product stocks
- Supplier Manager: Manages suppliers
- Sales Tracker: Tracks sales and reports

8. Reusable Components

- Button, Modal, Input Field
- State Management C UI

9. State Management

- Global state via Context API

Local state for UI interactions

10. User Interface

- Clean layout with forms and tables
- Responsive design for multiple devices
- Styling C Testing

- ***11. Styling***

- Tailwind CSS for styling
- Light and dark theme options

12. Testing

- Unit tests with React Testing Library
- Integration tests for workflows
- Styling CTesting
- Styling CTesting

13. Screenshots or Demo

- Dashboard, inventory list, supplier page, sales report screenshots
- Demo link (if any)

14. Known Issues

- Data refresh delays in low bandwidth
- Minor UI bugs on small screens
- Missing export reports
- Future Enhancements C Conclusion

15. Future Enhancements

- Barcode scanning integration
- Predictive analytics for restocking
- Mobile app version

16. Conclusion

This Inventory Management System helps Naan Mudhalvan store managers streamline inventory control, improve accuracy, and boost productivity, making daily store

- operations efficient and reliable