

# STORE MANAGER KEEP TRACK INVENTORY

## 1. TEAM

Team ID : NM2025TMID40578

- Team Leader :
  - K.Deepak : [deepakpooja7878@gmail.com](mailto:deepakpooja7878@gmail.com)
- Team Members :
  - S.Karan Kumar : [karankumar26092005@gmail.com](mailto:karankumar26092005@gmail.com)
  - S.Yuvaraj : [yuvaraj9344831802@gmail.com](mailto:yuvaraj9344831802@gmail.com)
  - B.Muniasamy : [hitmanmukesh077@gmail.com](mailto:hitmanmukesh077@gmail.com)

## 2. INTRODUCTION

A **store manager** plays a key role in monitoring and managing inventory. They ensure that stock levels are accurate, goods are available when needed, and losses are minimized. Effective inventory tracking helps maintain smooth store operations and supports better decision-making

## 3.PROJECT OVERVIEW

To build an efficient and user-friendly inventory tracking system that helps **store managers** monitor, manage, and update stock levels in real-time, reduce stockouts or overstocking, and improve overall operational efficiency.

## 4. FEATURES

- **Add / Edit Items :**  
Add new stock, update quantities
- **Low Stock Alerts :**  
Get notified when stock is low
- **Receive Stock :**

- Record incoming items from suppliers
- **Sell / Reduce Stock :**
  - Update stock after sales
- **View Reports :**
  - See daily/weekly stock status
- **Search Items :**
  - Quick search by name or code
- **Login System :**
  - Only manager can access

## 5. SYSTEM REQUIREMENTS

### Operating System

- Windows 10 or later
- Linux (Ubuntu 20.04+)
- macOS 11 or later

### Software / Frameworks

- Node.js v16+
- npm (Node Package Manager)
- React

### Dependencies

- Listed inside `package.json`

Install with: `npm install`

## 6. INSTALLATION GUIDE

Clone the repository

<https://github.com/karanobito/INVENTORY MANAGEMENT.git>

– Naan Mudhalvan store manager

install dependencies: `npm install`

`cd Project_name`

Install dependencies

`npm install`▶

## 7. USAGE INSTRUCTIONS

- Run the project: npm start(Opens at: <http://localhost:3000/>)
- Auto reloads when you make changes
- Shows lint errors in the console
- Other commands:
  - npm test → Run test suite.
  - npm run build → Build production-ready files.
  - npm run eject → Customize full configuration.

## 📁 8. PROJECT STRUCTURE

Project\_name/

```
|── src/      → Source code (components, pages, hooks)  
|── public/   → Static assets  
|── tailwind.config.js  
|── package.json → Dependencies + scripts  
|── README.md  → Documentation
```

## ✓ 9. TESTING

Run the following to test your project:

npm test

✍ Interactive mode → npm test interactive mode → See inventory in real time.

## 🤝 10. CONTRIBUTING

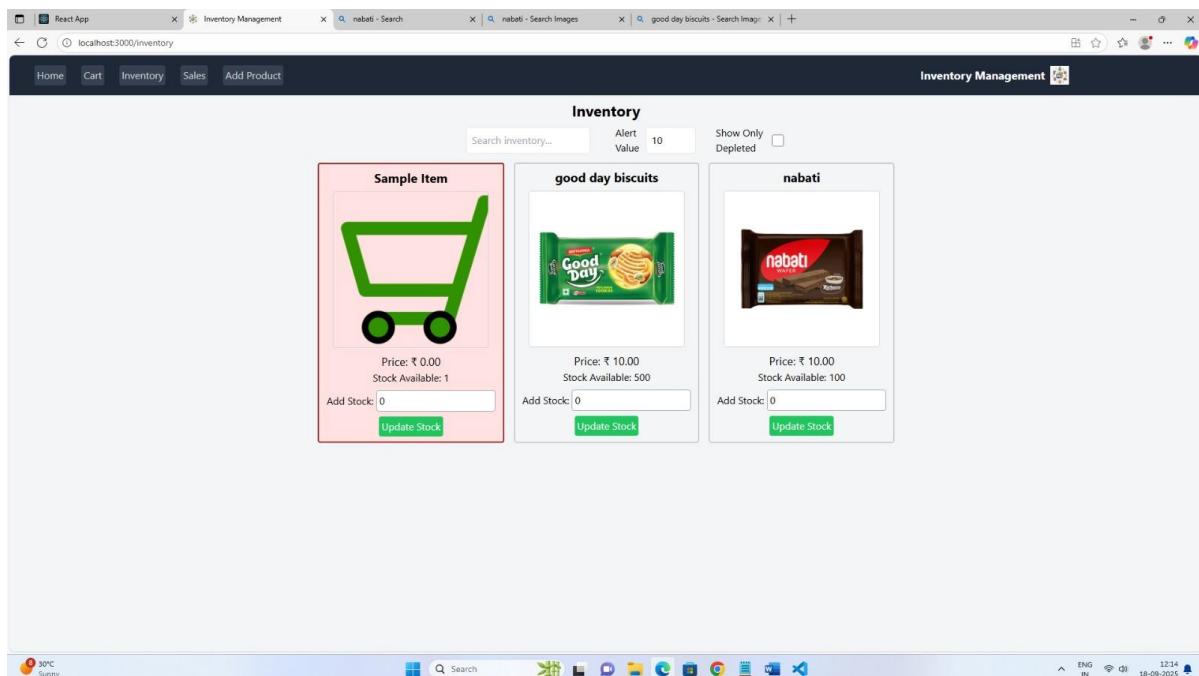
Steps for contributors:

1. **Identify Stock Items** – List all products available in the store.
2. **Record Inventory** – Maintain proper records (manual register or software).
3. **Monitor Stock Levels** – Check daily/weekly stock availability.
4. **Update Entries** – Add new stock received and reduce sold/damaged items.
5. **Conduct Regular Audits** – Verify actual stock vs. recorded stock.
6. **Report & Analyze** – Prepare reports for shortages, excess, or damaged goods.
7. **Implement Solutions** – Use best practices/software to improve accuracy.

## 📄 11. LICENSE

- ✓ This project is licensed under the **MIT License**.

## 12. SCREEN SHOTS



## 13.KNOWN ISSUES

**Overstocking or Understocking** – Ordering too much leads to wastage and storage problems, while too little stock causes shortages and customer dissatisfaction.

## 14. FUTURE ENHANCEMENTS

- **Automated Inventory System** – Use barcode or QR code scanning to reduce human errors.
- **Cloud-Based Software** – Store data online for real-time access from anywhere.
- **AI & Forecasting Tools** – Predict future stock needs based on sales trends.
- **Mobile App Integration** – Allow store managers to track and update stock using smartphones.
- **IoT & Smart Sensors** – Automatically detect stock levels on shelves and update records.