

Project Document – Store Manager Inventory Tracking System

Project Title

Store Manager – Inventory Tracking Systems

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Introduction

Managing inventory is one of the most important tasks in a store. Without proper tracking, a store may face problems such as stock shortages, overstocking, and financial losses. This project focuses on building a simple and effective Inventory Tracking System that helps a store manager keep track of products, their quantities, and availability.

Objectives

To design a simple system for managing store inventory.

To track product details such as name, ID, quantity, and price.

To allow adding, updating, and removing products.

To generate inventory reports for analysis.

To reduce human errors in manual stock tracking.

Scope of the Project

Small and medium-sized shops can use this system. It helps in quick search and update of product stock. The system is scalable and can be extended with billing and supplier management in the future.

System Requirements

Hardware:- Minimum: 2 GB RAM, Dual Core Processor- Recommended: 4 GB RAM, Core i3 Processor
Software:-
Operating System: Windows/Linux/Mac- Language: Python- Database: SQLite / MySQL- Tools: Any text editor or IDE (VS Code, PyCharm, etc.)

Modules of the System

Product Management- Add new products with details (ID, Name, Quantity, Price).- Update product stock and price.- Delete a product if it is discontinued.

Inventory Tracking- View all available products with current stock.- Track low-stock items and highlight them.

Reporting Module- Generate reports for daily/weekly/monthly stock.- Show items that need restocking.

Sample Workflow

Store manager logs in.

Adds product details into the system.

Updates stock whenever items are sold or restocked.

Generates inventory report to analyze stock.

Advantages

Reduces manual work.

Prevents overstocking and understocking.

Saves time and cost.

Provides accurate stock details.

Future Enhancements

Integration with billing system.

Barcode scanning support.

Supplier management and purchase order automation.

Mobile app for easy access.

Conclusion

The Store Manager Inventory Tracking System provides a simple yet effective way to manage products in a store. It ensures proper tracking of stock, helps in planning restocking, and improves store management efficiency.