

Stock maintenance.

problem statement :-

Allow easy maintenance of stock for customer satisfaction. It is rapidly evolving retail environment.

functional requirements :-

Inventory Management

Allow users to add, update and delete inventory items.

Stock Tracking

Track stock levels in real time, including incoming and outgoing stock.
Generate alerts for low level stocks.

Supplier management

maintain a database of suppliers, including contact details and product offerings.

Search functionality

allow robust search feature to find inventory.

Barcode Scanning

Allow scanning for efficient stock entry and inventory management.

Non-functional Requirement

Performance

It should respond to user within second.

Scalability

It should handle up to 500 concurrent users.

Availability

The system should be available 99.95% of time.

Security

Proper user authentication

Usability

The interface should be intuitive, allowing users to perform inventory functions.

Stock management System

Introduction:

- 1.1 Purpose: To develop software to manage stock levels & availability of goods.
- 1.2 Scope: This will handle inventory products.
- 1.3 Overview: cloud based inventory management that provide centralized stock view with alerts.

2. General description

- 2.1 manages inventory, track stock usage, support supplier details
- 2.2 Realtime tracking of stock with alerts.
- 2.3 supplier management
- 2.4 Graphs & insights
- 2.5 Accuracy & efficient

3. Interface Requirements

- 3.1 user interface - dashboards, alerts notifications, status, details
- 3.2 API integration - financial tracking
- 3.3 Database interface - NoSQL

4. Performance Requirements

- 4.1 Response time
- 4.2 update frequency
- 4.3 Error handling
- 4.4 maintenance handling

5. Design Constraints.

5.1 Cloud Support

5.2 Document representation

6. Preliminary Schedule & Budget

6.1 Time within 6 months

6.2. Budget within Rs 100,000
in LOC or FP.