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**Software Requirement Specification [SRS] Document On  
INVENTORY MANAGEMENT SYSTEM [IMS]**

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# 1. INTRODUCTION

An Inventory Management System (IMS) is a software application that helps an organization record, monitor, and control its stock of products. It stores product information in a structured way and keeps track of stock movements such as purchasing, selling, returning, and adjusting items. In product-based businesses, inventory directly affects daily operations because products must be available when customers need them. If inventory is not managed properly, businesses face shortages, delays, customer dissatisfaction, and financial loss. Therefore, a reliable IMS is important for ensuring smooth business activities and maintaining accurate stock data.

This project focuses on developing an IMS that replaces traditional manual stock handling with an automated and centralized system. The proposed system is designed to make inventory operations faster, more accurate, and easier to manage. It supports real-time updating of stock levels, reduces routine paperwork, and improves decision-making through clear reports and alerts. By introducing computer-based inventory control, the system aims to improve efficiency, minimize errors, and provide a secure and user-friendly environment for managing inventory.

## **Background of the Problem**

In almost every product-based organization, inventory is one of the most critical assets. Retail shops, pharmacies, hardware stores and online businesses all depend on having the right items, in the right quantity, at the right time. Poor control of inventory leads to stock-outs, lost sales, unhappy customers and wasted capital tied up in slow-moving or expired items. Many small and medium-sized businesses still rely on paper records, notebooks or basic spreadsheets, which makes these problems worse.

Manual inventory methods suffer from frequent human errors such as miscounting, missing entries or wrong product codes. Over time, recorded stock levels no longer match the physical stock on shelves, forcing staff to perform repeated physical counts and causing managers to make poor decisions on purchasing or pricing. These methods are also slow: answering simple questions like “How many units are left?” often requires searching through several files or sheets, delaying service to customers and reducing productivity.

Another major limitation is the lack of real-time visibility. In many businesses, sales, purchases and returns are updated only at the end of the day or when staff have time. Without up-to-date information, management cannot see current stock status, may reorder too late, fail to promote slow-moving items, or overlook suspicious patterns such as theft or abnormal waste. As the business grows, more product categories and storage locations make manual tracking almost impossible, and different staff may keep their own records, resulting in inconsistent data and weak internal control.

These challenges show the need for a computer-based Inventory Management System (IMS). A dedicated IMS maintains a central database for products, suppliers and stock transactions. Each sale, purchase, return or adjustment is recorded immediately, keeping stock levels accurate in real time. The system can generate alerts for low stock or expired items and provide standard reports and summaries to support data-driven decisions. The proposed IMS in this project is intended to replace manual and spreadsheet-based methods with a user-friendly, secure and reliable solution that automates routine tasks, reduces human error and improves overall inventory management.

**Target Group of Users:**

The proposed Inventory Management System (IMS) is designed primarily for small and medium-sized organizations that manage physical goods as part of their daily operations. Examples include retail shops, mini-markets, pharmacies, stationery and electronics stores, hardware shops, small warehouses, and local wholesalers. These businesses often cannot afford complex enterprise-level solutions, yet they still require an accurate, structured, and reliable method for controlling inventory. Therefore, the system targets this segment by offering essential inventory functions through a simple, cost-effective, and user-friendly interface.

Within each organization, multiple internal user groups will interact with the IMS according to their roles and responsibilities:

**Inventory Clerks:**

Storekeepers are responsible for receiving goods, updating stock levels, recording damaged or expired items, and conducting routine stock counts. The IMS supports these tasks by allowing them to register products, log incoming shipments, adjust quantities, and instantly view real-time stock status. This reduces paperwork, saves time, and minimizes counting or recording errors.

**Sales Staff:**

Sales personnel require fast access to product availability, quantity, and pricing at the point of sale. Through the IMS, they can quickly search for items, confirm stock status, and record sales transactions. Each sale automatically updates inventory levels, helping to prevent overselling and improving service speed.

**Management:**

Managers and business owners depend on accurate summaries to guide decision-making. The IMS provides reports on stock valuation, fast-moving and slow-moving items, reorder alerts, purchase history, and supplier performance. These reports support strategic decisions related to purchasing, pricing, promotions, and store planning.

**Accounts Staff:**

Finance departments rely on correct inventory data for budgeting, profit calculation, cost analysis, and financial reporting. Access to the IMS enables them to review stock valuation, reconcile differences between physical and recorded stock, and monitor the financial impact of inventory activities with higher accuracy.

**System Administrators:**

System administrators maintain the software environment, user accounts, and data security. The IMS provides tools to create and manage user profiles, reset passwords, and apply role-based access control. This ensures that sensitive information (such as supplier costs or profit margins) remains available only to authorized personnel.

## **2. SCOPES & FEATURES**

This section describes the major scopes of the proposed Inventory Management System (IMS). Each scope represents a functional module of the system. Together, these modules ensure accurate inventory control, smooth sales and purchase operations, secure user handling, and reliable reporting for decision-making.

### **2.1 Scope 1: Profile Management**

Profile Management covers the basic account-related activities required for users to access and use the system safely. It ensures that every user can create and maintain a personal profile and securely enter the IMS to perform assigned tasks.

#### **Features:**

- Users can create new profiles by providing valid and complete information.
- Users can log in using a valid username and password.
- After successful login, users can access a personalized dashboard based on their role.
- Users can view and update their own profile information when needed.
- Passwords can be changed or recovered through proper verification to maintain account security.
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### **2.2 Scope 2: Product & Stock Management**

Product and Stock Management is the core of the IMS. It focuses on maintaining accurate product records and tracking stock quantities in real time. This scope ensures that inventory data always matches physical stock and supports daily store operations.

#### **Features:**

- Inventory Clerks can add, edit, or remove product details including name, category, supplier, cost, and selling price.
- Incoming goods, damaged items, and product returns can be recorded properly.
- Stock quantity updates automatically after each sale or purchase, ensuring real-time accuracy.
- The system generates low-stock and expiry alerts automatically to prevent shortages and losses.
- Management and Accounts Staff can view stock valuation reports at any time for monitoring purposes.

### **2.3 Scope 3: Supplier & Purchase Management**

Supplier and Purchase Management handles supplier information and purchasing activities. This scope supports effective supplier control and ensures that purchases are properly recorded and reflected in inventory.

#### **Features:**

- Inventory Clerks can add and manage supplier details in the system.
- Purchase orders can be created, edited, or deleted as needed.
- Stock levels update automatically once a purchase is confirmed.
- Purchase reports can be generated based on date, supplier, or product category.
- Management can evaluate supplier performance using delivery accuracy and timeliness records.

### **2.4 Scope 4: Sales Management**

Sales Management supports the selling process and ensures that sales transactions are recorded correctly. It links directly with stock updates so that outgoing items are reflected instantly in inventory.

#### **Features:**

- Sales Staff can search for products by name, category, or product code during billing.
- Each sale automatically deducts the sold quantity from stock in real time.
- The system generates daily, monthly, and yearly sales reports.
- Management can review top-selling and slow-moving products for business planning.
- Sales invoices or receipts can be printed for customers.

### **2.5 Scope 5: Return & Adjustment Management**

Return and Adjustment Management ensures that returned items and stock corrections are handled systematically. This scope maintains transparency in inventory changes and supports audit verification.

#### **Features:**

- Product returns and damaged item adjustments can be recorded by Inventory Clerks.
- Stock levels update automatically after any return or adjustment entry.

- The system keeps a complete adjustment history to support auditing and verification.

## **2.6 Scope 6: Financial & Report Management**

Financial and Report Management provides analytical and financial outputs from inventory and sales data. It supports management and finance-related decision-making through structured summaries and dashboards.

### **Features:**

- Accounts Staff can view total purchase cost, total sales revenue, and profit margin.
- Detailed financial summaries can be generated for specific time periods.
- Reports can be exported in PDF or Excel format for meetings and further analysis.
- Graphical dashboards present inventory trends and sales growth clearly.

## **2.7 Scope 7: User & Access Management**

User and Access Management ensures that the IMS remains controlled and secure. It defines user roles and restricts access according to responsibility levels.

### **Features:**

- System Administrators can create, modify, or remove user accounts.
- Role-based access control ensures each user only views modules relevant to their role.
- Administrators can reset passwords and monitor system activity logs.
- Sensitive data is protected so only authorised users can access it.

## **2.8 Scope 8: System Security & Backup**

System Security and Backup protects the system from data loss and unauthorised access. It ensures safe storage of credentials and reliable recovery options.

### **Features:**

- All user credentials are stored securely using encryption methods.
- Automatic backups prevent loss of critical inventory and transaction data.
- System Administrators can restore data from backups whenever required.

### 3. USE CASE DIAGRAM



### DESCRIPTION

The Use Case Diagram presents a high-level view of how the Inventory Management System (IMS) is used by different categories of users. It identifies the main actors of the system and the services (use cases) they perform. The purpose of this diagram is to show the functional boundaries of the IMS, clarify user–system interactions, and ensure that each user role is supported by appropriate system features. Overall, the diagram confirms that the system can manage inventory operations, sales, purchasing, reporting, and administrative control in a structured and secure manner.

#### Actors and Their Responsibilities

##### 1. Inventory Clerk

The Inventory Clerk is the primary operational user responsible for maintaining inventory accuracy. This actor interacts with core inventory-related use cases including Manage Product,



Manage Stock, Create/Process Purchase Order, Search Product, and Manage Returns. Through these functions, the Inventory Clerk can add, update, or remove products, record incoming goods, update stock for damage or expiry, process purchasing activities, and handle returns or adjustments. The Inventory Clerk also uses Manage Profile, Login/Logout, and View Dashboard to securely access the system and monitor daily inventory summaries.

## 2. Sales Staff

Sales Staff are responsible for sales activities at the point of sale. They use Search Product to locate items quickly and confirm availability during billing. They interact with Process Sale to record sales transactions, which automatically reduces stock levels to keep inventory updated in real time. Sales Staff also access Manage Profile, Login/Logout, and View Dashboard to maintain account information and view role-based summaries relevant to sales performance.

## 3. Management

Management users focus on monitoring inventory health and business performance. They interact with View Dashboard to observe stock status and key indicators. They use Generate Reports to obtain structured summaries such as sales reports, stock valuation, and product movement trends. The Receive Alerts use case supports management by notifying low-stock and expiry conditions, enabling timely decision-making. Management also uses Login/Logout for secure system access.

## 4. Accounts Staff

Accounts Staff require accurate inventory and sales information for financial activities. They primarily interact with Generate Reports and View Dashboard to review stock valuation, purchase costs, sales revenue, and profit-related summaries. Their use of Login/Logout ensures secure access to sensitive financial data.

## 5. System Administrator

The System Administrator is responsible for maintaining the security and reliability of the IMS. This actor interacts with Manage Users & Roles to create, modify, and remove user accounts and ensure role-based access control. The Administrator uses View Audit Logs to monitor user activities and detect unusual actions, supporting accountability and system integrity. The Backup & Restore use case enables data protection through automated backups and recovery options. Like other users, the Administrator accesses the system through Login/Logout and may also use Generate Reports and View Dashboard for system-level monitoring.

## Key Use Cases in the System

- **Login/Logout:** Ensures only authorized users can access the IMS and sessions end securely.
- **View Dashboard:** Displays real-time, role-based summaries such as stock levels, alerts, and quick access actions.

- **Manage Product:** Handles product registration, updating, and deletion by the Inventory Clerk.
- **Manage Stock:** Records stock inflow, damaged/expired products, and maintains accurate quantities.
- **Create/Process Purchase Order:** Supports purchasing new inventory and updating stock after confirmation.
- **Search Product:** Allows fast product lookup by Inventory Clerks and Sales Staff.
- **Process Sale:** Records sales and deducts stock automatically to maintain real-time accuracy.
- **Manage Returns:** Records returned items and adjustments, updating stock and logs.
- **Generate Reports:** Produces sales, inventory, supplier, and financial reports for Management, Accounts Staff, and Administrators.
- **Receive Alerts:** Notifies Management about low-stock and expiry situations for timely action.
- **View Audit Logs:** Provides Administrators with activity records for verification and security.
- **Manage Users & Roles:** Controls user creation and permissions through role-based access.
- **Backup & Restore:** Protects system data and supports recovery from backups.

### **Include Relationships**

The diagram shows  $\triangleleft$  relationships where one use case depends on another to complete a process. For example, Process Sale includes stock updating, ensuring that each sale automatically adjusts inventory. Similarly, Generate Reports includes retrieving updated stock and sales data, and View Dashboard includes current inventory status and alerts to ensure real-time visibility. These relationships confirm that the system performs connected operations consistently without missing steps.

In conclusion, the Use Case Diagram demonstrates that the IMS supports all required roles and functions identified in the project scope. Each actor is connected only to relevant use cases, ensuring controlled access, accurate inventory operations, efficient sales and purchasing processes, and reliable reporting. This provides a clear foundation for system development and testing.

## 4. USER STORY TABLE

<i>As a/An</i>	<i>I want to</i>	<i>So that</i>	<i>Acceptance Criteria</i>
<i>Inventory Clerk</i>	Manage products	product records stay complete and correct	Product create/update/delete is confirmed; data saved in database.
	Manage stock	stock quantities remain accurate	Stock increases/decreases correctly after purchase/sale/adjustment; updated quantity is shown.
	Create / process purchase orders	new inventory can be requested and received	PO form validates required fields; stock updates after confirmation.
	Manage returns and adjustments	damaged/returned items are recorded properly	Return/adjustment reason, quantity, and date are stored in logs; stock updates automatically.
	Search products	items can be found quickly	Search shows correct product details and availability instantly.
	Manage profile	personal information stays updated	Editable fields save successfully and appear in profile.
	Login / Logout	system access is secure	Valid credentials required; logout ends session properly.
	View dashboard	inventory insights are visible quickly	Dashboard shows stock levels, alerts, and quick actions correctly.

<i>As a/An</i>	<i>I want to</i>	<i>So that</i>	<i>Acceptance Criteria</i>
<i>Sales Staff</i>	Search products during billing	billing becomes faster	Search works by name/category/code; correct results appear.
	Record sales and generate invoice	each sale is officially stored	Invoice includes items, quantity, price, total; printable receipt available.
	Auto-deduct stock after sale	real-time stock accuracy is ensured	Stock reduces immediately after sale; stock never goes negative.
	View sales summary (if allowed)	daily performance is checked	Sales summary matches transaction data within selected dates.
	Login / Logout	system access is secure	Valid credentials required; logout ends session properly.
	Manage profile	personal information stays updated	Editable fields save successfully and appear in profile.

<i>As a/An</i>	<i>I want to</i>	<i>So that</i>	<i>Acceptance Criteria</i>
<i>Management</i>	View low-stock alerts	reordering can be done on time	Alerts appear when stock hits minimum level; shows product and quantity.
	View expiry alerts	losses from expired items are reduced	Alerts show before expiry date; includes product and expiry date.
	View sales reports	business performance is monitored	Reports filter by daily/monthly/yearly; totals match sales data.
	View top-selling and slow-moving items	promotions and planning improve	System ranks products correctly; slow items highlighted.
	Export reports	decisions can be supported externally	Export downloads PDF/Excel; data matches displayed report.
	Login / Logout	system access is secure	Valid credentials required; logout ends session properly.

<i>As a/An</i>	<i>I want to</i>	<i>So that</i>	<i>Acceptance Criteria</i>
<i>Accounts Staff</i>	View stock valuation	inventory value is known	Valuation = cost × quantity; matches current stock.
	View profit summaries	financial performance is clear	Profit calculated correctly by time period; values consistent.
	Export financial reports	reports can be used for accounting	PDF/Excel export works; downloaded file matches system data.
	Login / Logout	system access is secure	Valid credentials required; logout ends session properly.

<i>As a/An</i>	<i>I want to</i>	<i>So that</i>	<i>Acceptance Criteria</i>
<i>System Administrator</i>	Create user accounts	new users can access the system	Admin can add users with roles; new users can log in.
	Modify roles and permissions	access remains controlled	Role changes apply immediately; restricted modules blocked.
	Remove user accounts	unauthorized users cannot continue	Removed users cannot log in; deletion confirmed.
	Monitor activity logs	suspicious actions are traceable	Logs record user actions; searchable by date and user.
	Ensure encrypted credentials	user data stays secure	Passwords stored hashed/encrypted; cannot be viewed in plain text.
	Manage backup and restore	data loss is prevented	Auto-backup runs; restore works correctly; status visible.

## **5. REQUIREMENT TRACEABILITY MATRIX**

In this section, the requirements of the Inventory Management System (IMS) are discussed in detail. Requirements are categorized based on user roles. Each requirement defines the system functions that must be implemented to satisfy user needs, and the numbering follows the standard hierarchical format used in the sample.

### **5.1 Functional Requirements**

#### **5.1.1 Inventory Clerk Requirements**

##### **1.0 User home page – All features availability**

##### **1.1 Registration**

- 1.1.1 Taking full name
- 1.1.2 Taking email address
- 1.1.3 Taking username
- 1.1.4 Taking password
- 1.1.5 Taking confirm password
- 1.1.6 Taking phone number
- 1.1.7 Submitting the form
- 1.1.8 Resetting the form

##### **1.2 Login**

- 1.2.1 Taking username
- 1.2.2 Taking password
- 1.2.3 Providing forgot password option
  - 1.2.3.1 Submitting email address and receiving verification
- 1.2.4 Submission of login

##### **1.3 Dashboard**

- 1.3.1 Side menu
  - 1.3.1.1 Dashboard button [ref 1.3]
  - 1.3.1.2 Manage products button
  - 1.3.1.3 Manage stock button
  - 1.3.1.4 Purchase orders button
  - 1.3.1.5 Returns & adjustments button



- 1.3.1.6 Reports button
- 1.3.1.7 Logout button [ref 1.10]

## **1.4 Manage products**

- 1.4.1 Add product button
  - 1.4.1.1 Taking product name
  - 1.4.1.2 Taking category
  - 1.4.1.3 Taking supplier name
  - 1.4.1.4 Taking cost price
  - 1.4.1.5 Taking selling price
  - 1.4.1.6 Taking quantity
  - 1.4.1.7 Submitting the form
- 1.4.2 View all products
  - 1.4.2.1 Showing product list table
- 1.4.3 Edit product button
  - 1.4.3.1 Showing existing product details and taking updated values
  - 1.4.3.2 Submitting updated product info
  - 1.4.3.3 View all products [ref 1.4.2]
- 1.4.4 Delete product button
  - 1.4.4.1 Showing selected product details
  - 1.4.4.2 Confirmation for deletion
  - 1.4.4.3 View all products [ref 1.4.2]

## **1.5 Manage stock**

- 1.5.1 Record incoming stock button
  - 1.5.1.1 Selecting product
  - 1.5.1.2 Taking incoming quantity
  - 1.5.1.3 Taking supplier reference
  - 1.5.1.4 Submitting incoming stock entry
- 1.5.2 Record damaged/expired items button
  - 1.5.2.1 Selecting product
  - 1.5.2.2 Taking damaged quantity
  - 1.5.2.3 Taking reason
  - 1.5.2.4 Submitting adjustment

- 1.5.3 Stock auto-update
  - 1.5.3.1 Stock increases after purchase confirmation
  - 1.5.3.2 Stock decreases after sales
  - 1.5.3.3 Stock updates after returns/adjustments

## **1.6 Purchase orders**

- 1.6.1 Create purchase order button
  - 1.6.1.1 Selecting supplier
  - 1.6.1.2 Selecting products
  - 1.6.1.3 Taking order quantities
  - 1.6.1.4 Submitting purchase order
- 1.6.2 Edit purchase order button
  - 1.6.2.1 Updating order details
  - 1.6.2.2 Submitting edited order
- 1.6.3 Delete purchase order button
  - 1.6.3.1 Confirmation for deletion
- 1.6.4 Confirm purchase button
  - 1.6.4.1 Stock updates automatically after confirmation [ref 1.5.3.1]

## **1.7 Returns & adjustments**

- 1.7.1 Record return button
  - 1.7.1.1 Selecting product
  - 1.7.1.2 Taking return quantity
  - 1.7.1.3 Taking return reason
  - 1.7.1.4 Submitting return
- 1.7.2 Record stock adjustment button
  - 1.7.2.1 Selecting product
  - 1.7.2.2 Taking adjustment quantity (+/–)
  - 1.7.2.3 Taking adjustment reason
  - 1.7.2.4 Submitting adjustment
- 1.7.3 Adjustment history log
  - 1.7.3.1 Viewing all adjustments table

## **1.8 Search product**

### **1.8.1 Search product button**

#### **1.8.1.1 Taking product name/category/code**

#### **1.8.1.2 Submitting search**

#### **1.8.1.3 Showing search results table**

## **1.9 Manage profile**

### **1.9.1 View profile button**

#### **1.9.1.1 Showing name, email, phone**

### **1.9.2 Edit profile button**

#### **1.9.2.1 Showing existing info and taking updated info**

#### **1.9.2.2 Submitting updated profile**

#### **1.9.2.3 View profile [ref 1.9.1]**

### **1.9.3 Change password button [ref 1.2.3]**

## **1.10 Logout**

### **1.10.1 Logout button**

#### **1.10.1.1 Showing login page**

## **5.1.2 Sales Staff Requirements**

## **2.0 User home page – All features availability**

### **2.1 Login [ref Inventory Clerk 1.2]**

## **2.2 Dashboard**

### **2.2.1 Side menu**

#### **2.2.1.1 Dashboard button [ref 2.2]**

#### **2.2.1.2 Sales button**

#### **2.2.1.3 Search product button [ref 2.4]**

#### **2.2.1.4 Reports button [ref 2.5]**

#### **2.2.1.5 Logout button [ref 2.6]**

## **2.3 Sales transaction**

### **2.3.1 Create invoice button**

- 2.3.1.1 Selecting product
- 2.3.1.2 Taking sale quantity
- 2.3.1.3 Showing unit price
- 2.3.1.4 Calculating total price
- 2.3.1.5 Submitting sale
- 2.3.1.6 Printing invoice/receipt
- 2.3.2 Stock auto-deduct after sale [ref Inventory Clerk 1.5.3.2]

## **2.4 Search product** [ref Inventory Clerk 1.8]

## **2.5 Sales report view**

- 2.5.1 Daily sales report
- 2.5.2 Monthly sales report
- 2.5.3 Yearly sales report

## **2.6 Logout** [ref Inventory Clerk 1.10]

## **5.1.3 Management Requirements**

### **3.0 User home page – All features availability**

#### **3.1 Login** [ref Inventory Clerk 1.2]

#### **3.2 Dashboard**

- 3.2.1 Side menu
  - 3.2.1.1 Dashboard button [ref 3.2]
  - 3.2.1.2 Low-stock alerts button
  - 3.2.1.3 Expiry alerts button
  - 3.2.1.4 Sales reports button
  - 3.2.1.5 Product performance button
  - 3.2.1.6 Export reports button
  - 3.2.1.7 Logout button [ref 3.3]

#### **3.3 Alerts**

- 3.3.1 Low-stock alert list
  - 3.3.1.1 Showing product name and remaining quantity

3.3.2 Expiry alert list

3.3.2.1 Showing product name and expiry date

### **3.4 Reports**

3.4.1 Sales reports [ref Sales Staff 2.5]

3.4.2 Stock valuation report [ref Accounts Staff 4.3]

3.4.3 Top-selling products report

3.4.4 Slow-moving products report

3.4.5 Supplier performance report

### **3.5 Export report**

3.5.1 Export to PDF

3.5.2 Export to Excel

**3.6 Logout** [ref Inventory Clerk 1.10]

## **5.1.4 Accounts Staff Requirements**

### **4.0 User home page – All features availability**

**4.1 Login** [ref Inventory Clerk 1.2]

### **4.2 Dashboard**

4.2.1 Side menu

4.2.1.1 Dashboard button [ref 4.2]

4.2.1.2 Financial summary button

4.2.1.3 Stock valuation button

4.2.1.4 Export report button [ref Management 3.5]

4.2.1.5 Logout button [ref 4.3]

### **4.3 Financial summary**

4.3.1 Showing total purchase cost

4.3.2 Showing total sales revenue

4.3.3 Showing profit margin

4.3.4 Viewing financial summary by date range

#### **4.4 Stock valuation**

4.4.1 Valuation calculated as cost × quantity

4.4.2 Viewing stock valuation report table

#### **4.5 Logout [ref Inventory Clerk 1.10]**

### **5.1.5 System Administrator Requirements**

## **5.0 User home page – All features availability**

### **5.1 Login [ref Inventory Clerk 1.2]**

#### **5.2 Dashboard**

5.2.1 Side menu

5.2.1.1 Dashboard button [ref 5.2]

5.2.1.2 Manage users button

5.2.1.3 Roles & permissions button

5.2.1.4 Activity logs button

5.2.1.5 Backup & restore button

5.2.1.6 Logout button [ref 5.3]

#### **5.3 Manage users**

5.3.1 Create user button

5.3.1.1 Taking user name, email, role, password

5.3.1.2 Submitting new user

5.3.2 Edit user button

5.3.2.1 Updating role or info

5.3.2.2 Submitting updated user

5.3.3 Delete user button

5.3.3.1 Confirmation for deletion

5.3.3.2 Removing user access

## **5.4 Roles & permissions**

5.4.1 Assigning role-based access for each user

5.4.2 Restricting sensitive modules for unauthorised roles

## **5.5 Activity logs**

5.5.1 Showing login activity

5.5.2 Showing sales activity

5.5.3 Showing purchase activity

5.5.4 Showing return/adjustment activity

## **5.6 Backup & restore**

5.6.1 Automatic backup running periodically

5.6.2 Manual backup option

5.6.3 Restore from backup option

**5.7 Logout** [ref Inventory Clerk 1.10]

## **5.2 Non-Functional Requirements**