

Software Requirements Report for an Inventory System for a Clothing Store

1- Introduction

This report describes the complete requirements for the development of an inventory management software tailored for a clothing store. The system aims to improve the efficiency of inventory management, minimize errors and optimize stock control processes.

2- System Objectives

- **Stock Management:** Effectively control and document the inflow and outflow of products.
- **Inventory Tracking:** Maintain an up-to-date and accurate record of stock levels.

3- Functional Requirements

3.1- Product Registration:

- **Add New Products:** Input details such as name, category, size, color, supplier information, and price.
- **Edit Product Information:** Update details of existing products, including changes in price, description, or supplier.
- **Delete Products:** Remove products from the system that are no longer available or obsolete.
- Automatically update the inventory when a sale is made.
- Display an updated list of garments available for consultation.

Categories

- **Classification:** Organize products into categories (men, women, children) and subcategories (shirts, pants, accessories).
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3.2- Price management:

Allow modifying the prices of registered products.

Show a price breakdown by product category.

3.3- Invoice generation:

Create a detailed electronic invoice that includes:

Client name.

Purchase date.

List of garments purchased (name, quantity, unit price, subtotal).

Total to pay.

Send the generated invoice to the client's email.

3.4- Sales history:

Keep a record of all transactions made, including:

Customer details.

Products sold.

Purchase date.

Total transaction amount.

3.5- Customer management:

Record basic customer information (name, email, phone, etc.) to send invoices and analyze frequent customers.

3.6- Stock Control:

Incoming Stock:

- Record the receipt of new inventory shipments.
- Update stock levels in real-time upon product arrival.

Outgoing Stock:

- Document the sale of products.
- Automatically deduct sold items from the inventory.

3.7- Reports and Statistics:

- **Sales statistics:**
Generate reports that include:
The best selling products.
The most frequent clients.

- **Sales history:**

Keep a record of all transactions made, including:

Customer details.

Products sold.

Purchase date.

Total transaction amount.

4- Non-Functional Requirements

Usability:

- **User-Friendly Interface:** Design a clean and intuitive interface to minimize the learning curve for new users.
- **Accessibility:** Ensure the system is accessible to users with varying levels of technical expertise.

Performance:

- **High Availability:** Ensure the system can handle concurrent transactions without performance degradation.
- **Fast Response Time:** Provide quick response times for searches, stock updates, and report generation.