Software Requirements Report for an Inventory System for a Clothing Store

# Introduction

This report describes the complete requirements for the development of 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.

# 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.
  + **Product sales:** Sell products that are available in inventory.

# 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.
* **Add customers:** Add customer data to the database for future purchases.
* **Edit Customer Data:** Change certain data that can be modified (cell phone, address, email).
* 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).

**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.

# 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.