### **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.

**3.2- 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.

**3.3- Categories and Subcategories**:

* **Classification**: Organize products into categories (men, women, children) and subcategories (shirts, pants, accessories).
* **Search and Filter**: Enable users to easily search and filter products by category, subcategory, size and color.

**3.4- Reports and Statistics**:

* **Sales Reports**: Generate daily, weekly, monthly, and yearly sales reports, including best-selling products and revenue summaries.
* **Export Options**: Allow export of reports in multiple formats, including PDF, Excel, and CSV.
* **Detailed Logs**: Maintain comprehensive logs of all inventory transactions, including date, time, user, and product details.

**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.