



**HOMEWORK NUMBER 5**

**PROJECT – User Requirements**

**G6**

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# 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.