**STORE MANAGER: KEEP TRACK OF INVENTORY**

* **Introduction** (what the project is about)
* **Objectives** (why it is being built)
* **Scope** (what features it will include)
* **System Requirements** (hardware & software)
* **Modules** (inventory, billing, sales, reports, etc.)
* **Database Design** (tables overview)
* **User Roles** (admin, staff, cashier, manager)
* **Use Case Diagram / Flow** (how the system works)
* **Advantages**
* **Future Enhancements**

**1.Introduction**

The Store Manager System is a desktop/web application designed to automate store operations such as inventory management, billing, supplier tracking, sales reporting, and employee management. It reduces manual errors, improves efficiency, and provides real-time reports for decision-making.

**2. Objective**

* To manage inventory efficiently.
* To automate billing and receipt generation.
* To track supplier and customer details
* To generate sales and stock reports.
* To provide role-based access (admin, staff, cashier).

**3. Scope**

The project covers:

* Stock and product management.
* Sales and billing system.
* Supplier and customer management.
* Daily/Monthly sales reports.
* Low stock alerts.
* User authentication & role-based access.

**4. System Requirements**

**Hardware**

* Processor: Intel i3 or above
* RAM: 4GB minimum
* Hard Disk: 250GB minimum

**Software**

* OS: Windows/Linux/Mac
* Backend: MySQL/PostgreSQL
* Frontend: PHP/Java/.NET (based on chosen stack)
* Web Server: Apache/Tomcat
* Tools: VS Code, XAMPP/WAMP

**5. Modules**

1. **Login & User Management**
   * Secure login
   * Role-based access
2. **Inventory Management**
   * Add/Edit/Delete products
   * Stock updates
   * Low stock alerts
3. **Billing System**
   * Generate bills
   * Print/download receipts
   * Apply discounts/taxes
4. **Supplier Management**
   * Supplier database
   * Purchase history
5. **Customer Management**
   * Customer database
   * Purchase history
   * Loyalty/discount system
6. **Reports**
   * Daily, weekly, monthly sales reports
   * Inventory reports
   * Profit/Loss analysis

**6.Database Design**

* **users** (user\_id, name, role, username, password)
* **products** (product\_id, name, category, price, stock\_qty)
* **suppliers** (supplier\_id, name, contact, address)
* **customers** (customer\_id, name, phone, email)
* **sales** (sale\_id, customer\_id, date, total\_amount)
* **sale\_items** (sale\_item\_id, sale\_id, product\_id, qty, price)
* **purchases** (purchase\_id, supplier\_id, date, amount)

**7.User Roles**

* **Admin**: Full access (inventory, billing, reports, user management).
* **Manager**: Access to sales, reports, and inventory updates.
* **Cashier/Staff**: Access to billing & sales only.

**8.Use Case Flow**

* Staff logs in → Adds sales → Generates bill.
* Manager logs in → Reviews inventory → Orders from supplier.
* Admin logs in → Manages users → Reviews full reports.

**9. Advantages**

* Reduces manual errors.
* Saves time & cost.
* Provides real-time data insights.
* Secure and scalable.

**10. Future Enhancements**

* Barcode scanner integration.
* Online store integration.
* Mobile app version.
* AI-based demand forecasting.