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M23B13/014
B20256

System Analysis & Design
Assignment

Github Link: <https://github.com/triga0/SYSTEMS-PERSONAL-PROJECT/tree/main>

The Supermarket Management System (SMS) is designed to automate the main functions of a supermarket, including managing stores, purchases, sales, customers, and payments. It provides a centralized platform for the admin to efficiently control day-to-day operations.

System Components

1. **Login System:** Admin logs into the system securely and gains access to manage various modules.
2. **Store Management:** Manages inventory and store details, allowing the admin to add, update, or delete store information.
3. **Purchasing Management:** Records and tracks purchases made for restocking inventory.
4. **Sales Management:** Logs and manages all sales transactions, updating stock levels accordingly.
5. **Customer Management:** Maintains customer profiles for better service and personalized marketing.
6. **Payment Management:** Tracks and updates payment records, ensuring financial data is synchronized with purchases and sales.

Key Workflow:

- • Admin logs in and manages the system.
- • Store management involves tracking stock, adding new inventory, and updating details
- • Purchasing management updates stock when new items are received.
- • Sales management handles transactions, recording sales and adjusting inventory.
- • Customer management maintains and updates customer information.

→ • Payment management tracks all payments, ensuring they align with sales and purchases.

→ Benefits:

- ◆ . Automation of tasks reduces errors and saves time.
- ◆ • Real-time updates on stock, sales, and payments ensure accurate records.
- ◆ • Centralized data simplifies reporting and decision-making.
- ◆ • Customer management enhances marketing efforts and customer loyalty