

**DATABASE SYSTEM PROJECT**

**Submitted by:**

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**Section: B**

**Submitted to: Ms.** **Kainat Nazir**

# **Project Title: Retail Store System**

# Project Overview

### Task 1:

**Purpose:**

The aim of this project is to develop and create a centralized database system that controls and organizes the activities of a retail company, such as inventory control, sales processing, customer tracking, and supplier coordination. The project is intended to address real-life issues such as mismanagement of inventory, improper tracking of sales, and poor customer service that typically plague retail companies.

Through the establishment of a trustworthy backend database, this project lays a base for an upcoming web or mobile application to cater to store owners, staff members, suppliers, and customers. The final vision is to increase business efficiency, facilitate real-time sales and inventory updates, improve decision-making, and maximize customer satisfaction through a well-structured and data-oriented retail management system.

**Target Audience:**

1. **Retail Business Owners & Entrepreneurs**  
   Small to medium business owners running grocery stores, clothing shops, electronics stores, etc. Franchise owners who want a centralized system for multiple outlets.
2. **Store Managers**  
   Responsible for day-to-day operations, inventory, staff management, and reporting. Use RMS to monitor stock levels, sales data, and employee performance.
3. **Sales Staff / Cashiers**  
   Use the Point-of-Sale (POS) interface to process transactions quickly and efficiently.
4. **Inventory Managers**  
   Track stock levels, manage purchase orders, and identify slow-moving or out-of-stock items.
5. **Accountants / Finance Teams**  
   Use reports for sales, revenue, taxes, and profit/loss analysis.
6. **Marketing Teams**  
   Analyze customer purchase patterns and trends to create promotions and loyalty programs.
7. **IT Administrators / System Managers**  
   Responsible for system maintenance, security, backups, and updates.

### Task 2:

**Entity-Relationship Diagram:**

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