Sale Management System

Status
Group 2

Overview

The **Sale Management System** is a software solution designed to streamline the sales process, inventory management, and user roles for a coffee shop. The system will have three primary user roles: **Admin, Moderator** and **Seller**. The Admin will manage users, products, and sales reports, the Moderator will oversee transactions and assist with inventory management, while the Seller will handle transactions and customer interactions.

This system is solely **focused on coffee shop operations**, ensuring tailored functionality for managing coffee sales, inventory, and customer transactions.

Objective

- Develop a **user-friendly** sales management system for a coffee shop.
- Implement a **secure login system** with role-based access (Admin, Moderator & Seller).
- Enable **efficient transaction processing** for sellers.
- Provide an **inventory management** module to track product availability.
- Generate **sales reports and analytics** for better business insights.

Scope of work

- **User Authentication & Authorization**: Secure login system with role-based access control.
- **Product Management**: Admins and Moderators can add, update, and remove products.
- **Inventory Tracking**: Automatic updates of stock levels after sales transactions.
- **Point of Sale (POS) Module**: Sellers can process orders, apply discounts, and print receipts.
- **Sales Reports**: Generate daily, weekly, and monthly sales reports.
- **User Management**: Admins can add, modify, or deactivate user accounts.

Technologies to be used

- **Programming Language:** C# (.NET Framework)
- **Frontend:** WPF
- **Database:** SQL Server

Expected Deliverables

- A fully functional Coffee shop sale management system.
- Documentation including User Guide and System Architecture.
- Test case to ensure system reliablity.

Team & Responsibilities

- **Project Owner** : Group 2
- **Developer**: Naroth, Heng, More, Kimchiv
- **Tester**: Self-testing with possible peer review
- **End User**: Coffee Shop Admin, Moderators & Sellers

Conclusion

This project aims to enhance the efficiency of sales operations in a coffee shop by providing a robust and scalable management system. The implementation of this system will help improve productivity, ensure accurate record-keeping, and facilitate seamless transactions tailored specifically for coffee shop businesses.