

Object Oriented Programming

Lab 13

Project Report: Pharmacy Management System

Objective

The Pharmacy Management System simplifies operations by allowing Pharmacists to manage inventory and premises while enabling Customers to purchase medicines efficiently.

Features

1. Main Menu:

- Users can log in as either a Pharmacist or a Customer.

2. Pharmacist Module:

- Add Medicine: Enter details such as name, type, quantity, and price.

- View Stock: Display current medicine inventory.

- Register Premises: Register pharmacy premises with name and address.

- View Premises: Display registered premises.

- Exit: Close the pharmacist interface.

3. Customer Module:

- Buy Medicine: Purchase medicines by specifying name and quantity.

- Exit: Close the customer interface.

Code Structure

- Modules Used:

- pharmacist: Manages pharmacist-related operations.

- customer: Handles customer interactions.

- Implementation:

- Object-oriented design ensures clean separation of responsibilities.

-User-friendly menus guide interactions.

Proposed Enhancements

- 1. Add user authentication for security.*
- 2. Implement database integration for data persistence.*
- 3. Provide real-time stock alerts for pharmacists.*
- 4. Enhance the customer experience with advanced search and pricing previews.*

Conclusion

The system is a functional prototype for pharmacy operations, offering core features for inventory and transaction management. With suggested improvements, it can evolve into a robust real-world solution.