

Pharmacy Management System

Team Name: PharMent

Team Members:

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Project Description:

This Pharmacy Management System helps a pharmacy keep track of medicines easily. It can add new medicines, sell medicines to customers, and warning when stocks are low. The system makes managing medicines faster and reduces mistakes. Right now, it only does the main tasks: adding medicines, selling, and showing low-stock alerts. In the future, more features like managing employees, suppliers, and sales reports can be added.

Features/Functionality (Implemented):

- **Register Medicines:** Add new medicines with ID, name, stock quantity, price, and expiry date.
- **Handle Sales Transactions:** Sell medicines and update the stock.
- **Low-Stock Alerts:** Notify when a medicine is running low.

Planned/ (Not Yet Implemented):

- **Manage Suppliers:** Add suppliers and track deliveries.
- **Customer and Prescription Management:** Keep customer info and prescription records.
- **Employee Management:** Add employees, manage schedules, and track clock in/out.
- **Reports:** Generate daily or weekly sales and stock reports.

Scope and Limitation:

This system is made for small or medium pharmacies to manage their medicines easily. It can register medicines, sell medicines, and show low-stock alerts. The program is console-based, so it runs in a simple text interface and does not save data permanently. Other features like employee schedules, supplier tracking, customer prescriptions, and reports are planned but not yet added. The system only works while it is running and will lose all data when closed.

Basic Classes:

Medicine (Implemented): Handles medicine registration, stock checking, and low-stock alerts.

SalesTransaction (Implemented): Handles selling medicines and updating stock.

Supplier (Not Yet Implemented): Manages supplier information and deliveries.

Customer (Not Yet Implemented): Manages customer info and prescriptions.

Prescription (Not Yet Implemented): Keeps records of prescriptions and medicines.

Employee (Not Yet Implemented): Manages employees, schedules, and clock-in/out.

Report (Not Yet Implemented): Generates daily or weekly reports from sales.

Class Diagram:

