

PHARMACY MANAGEMENT SYSTEM

Under the supervision of:

Md. Bakhtiar Hasan

Assistant Professor
Computer Science and Engineering
Islamic University of Technology
Bangladesh

Team Members:

Ahnaf Shahriar Pias (220042146)

Md. Sameur Rahman (220042144)

Irfan Shafee (220042164)

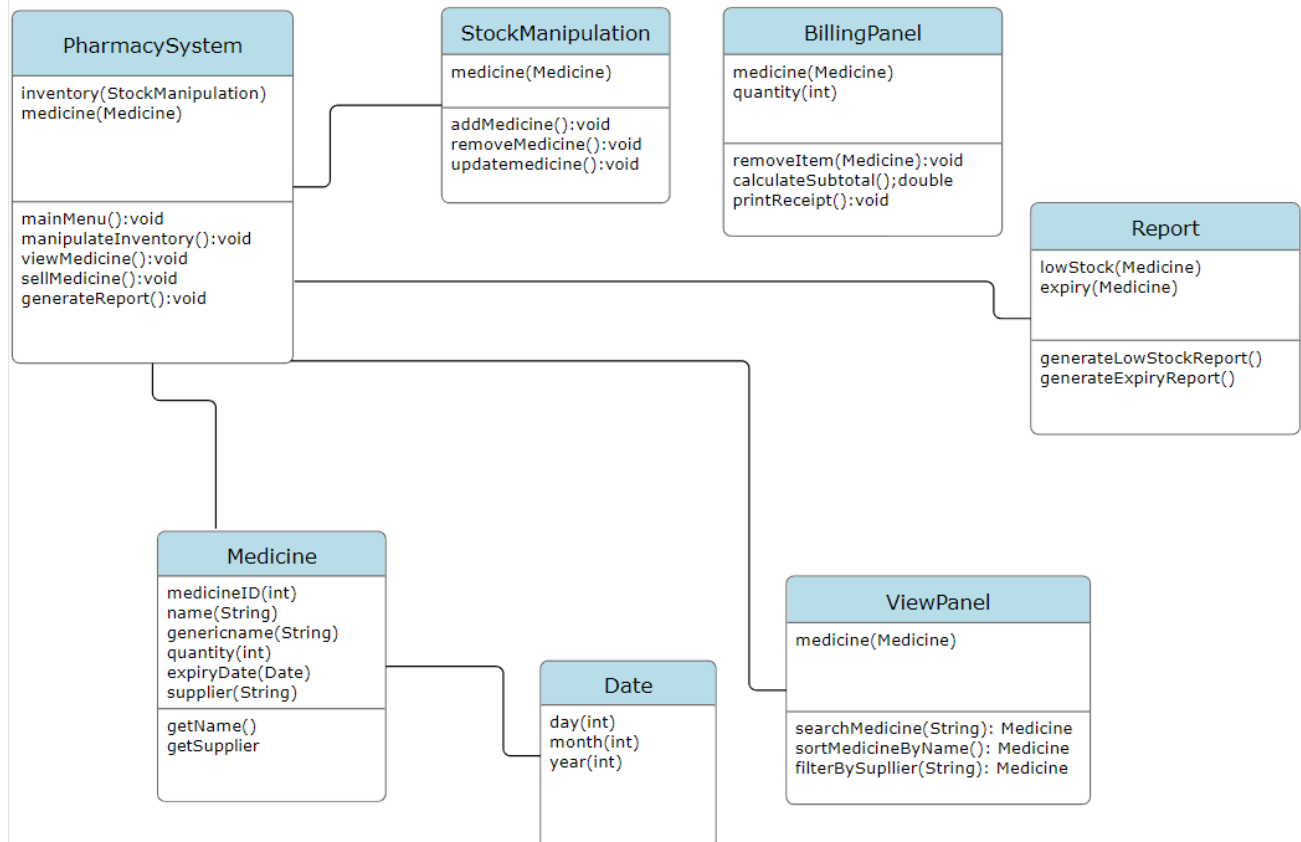
Motivation Behind the Project

The aim is to streamline the management of pharmacy operations by automating tasks such as inventory tracking, sales processing, and report generation. By reducing human error and improving efficiency, the system aims to enhance overall operational effectiveness and ensure timely access to medications for patients.

Project Overview

- Enables efficient management of medicine inventories with detailed information.
- Supports sorting and filtering while viewing medicines.
- Offers reporting features, including notifications for medicines nearing expiry and those with low stock.
- Ensures that the pharmacy remains well-stocked.

Probable Class Diagram



Key Features

Stock Manipulation :

CRUD operations on medicine properties -

Name,
Generic name,
Supplier,
Price,
Quantity,
Expiry date.

View Medicine :

Search,
Sort,
Filter

Sell Medicine :

Add items to cart,
Show Subtotal,
Print Receipt
Automated Stock Reduction.

Notification :

For Expiry,
For Low Stock

Tools and Technology

Language: *C++*

IDE: *Visual Studio*

Database: *File System*

Collaboration: *Github*

Proposed Timeline

