# Pharmacy Management System Table of Contents

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## 1) VISION

#### 1.1 INTRODUCTION

The Project named 'Pharmacy Management System' a medical information system is a client/server based web application. An Interactive application for managing both Stock and Billing which helps in maintaining the records of the medicine and reduce the work for searching and ordering the medicine which are out of stock.

The Pharmacy (Admin) has their branch shop and every shop account manage by individual manager with unique credential. Every manager has permission to work with his/her shop. And Admin has rights to view all the statistic of the branch. The automatic report has been generated for analysis the system and stock.

#### 1.2 PURPOSE

The main purpose the system is to provide a product which is helping to maintain stock. It will help the pharmacy to maintain their own branches. System helps to create the statistic for the sales of the medicine, and it will automate the order for out-of-stock product.

#### 1.3 SCOPE

This system is great mean for the manager of Pharmacy branch. The System also uses the mail service for the communication with Pharmacy admin. It will manage the information of products. The system focuses on the reducing the time which was taken for managing stock and sales.

#### 1.4 Overview

- The system automates the manual procedure of managing Pharma shop medicines.
- Admin can view their medical shop records and details easily.
- The system is convenient and flexible to be used.
- It saves their time, efforts and resources

## 2) POSITIONING

#### 2.1 BUSINESS OPPORTUNITY

There is a good business opportunity for this field. This type system is far better than current paper work system. System is also easy to use. It covers all the functionalities which a general pharma company requires for their medical store. There are a few same kinds of software available in the market, but still we try to make this particular application is much better than the systems that are readily available because of its ease of use, maintenance and development architecture. The software uses MySQL Server as the backend for storing data, thus assuring faster operation and non-volatility / non corruption of data. Also, as the software uses the java as backend functionality which makes it secure as java is most secure programming language and emailing system.

#### 2.2 PROBLEM STATEMENT

Improving performance and efficiency in pharmacy shop is major goal of Pharmacy Management System. The transaction related sales, maintain of the stock's records are maintain manually at present. These are to be automated and an application is required to relate of them relatively and logically so that the current system can be replaced and accepted without major changes and problems.

- Hard and Time consuming on preparation of report and lack of communication
- There is no effective management of information
- Discrepancies of the stock items.
- It hard to determine stock balance.

#### 2.3 PRODUCT POSITION STATEMENT

This product contains highest level of facilities than any other webapps in the market of this kind. The stock report of medical shop auto generated. Medical shop's stock can be generated automatically when stock is finished. The most interactive functionality of the system is to analyze a particular medicine stock graphically using the project performance data entered into the system. According to the graph stock should be manage.

## 3) STACKHOLDER AND USER DESCRIPTIONS

#### 3.1 MARKET DEMOGRAPHICS

In India till date most of the pharma company are using the traditional paper and filing methods to manage their employees. These traditional methods consume lots of time and it needs to put a good amount of human resources to perform the various activities. But now day's time and money is a big factor. If you can make the processes automated, then the time & money that you are saving by making these activities automated can be applied for the development and betterment of the company.

The target market for this software is medical industry. There are so many pharmacompany throughout the country and increasing year by year. Each of those company needs to put a huge amount of time and money for the management. This software system can be adopted by these company and they could be greatly benefited by using this system. So, the target market size and the number of needy medical shops or peoples are really huge for this software

#### 3.2 STAKEHOLDER SUMMARY

#### 3.2.1 Administration

Organize and manage the appointments made by managers, keep a check on the inventory and list and keep a track on medical stores inventory.

#### 3.2.2 Medical shop Manager

Managing the inventory, stocks of medicine and schedule to serve the administrator.

#### 3.3 USER ENVIRONMENT

#### 3.3.1 Clear Layout

Incorporate a clear layout with labelling on your website to make it easier for manager or users to find information. Your website should have a natural flow of information

#### 3.3.2 Be Efficient

Keeping element to be attractive effective and satisfactory to meet the standard of UI

#### 3.3. Simple And Understandable

Application should be simple user interface and easy to use for user.

#### 3.4 STAKEHOLDER PROFILES

#### 3.4.1 Administration

This department will be the main control of the management department, assigned the task of managing, organizing, and distributing workloads and coordinating with various departments. They will be the top point of scheduling and inventory control for the shops.

## 3.4.2 Shop Manager

They will be serving the people and also interact with the Pharma Company. They should manage the stock and purchase details.

#### 3.5 USER PROFILES

## 3.5.1 Mr. John [Admin]

Mr. John have a Pharma Company named 'Health Care Pharmacy pvt lmt'. He want to manage there own 5 department in Ahmedabad. He can easily communicate with there branch manager.

## 3.5.2 Manager

Manager want a system that generate automated report for daily sales and purchases made by his store. He want to keep medicine information up to date. The automated mail should be sent to admin for stock requirement.

#### 3.6 USER NEEDS

- 1. Stock should be maintained
- 2. Edit, Update, add and remove product
- 3. Communication between Admin and Store manager
- 4. Generate Sales and Purchases report
- 5. Analysis Graph Presentation for individual product
- 6. Out of Stock alert to the manager and admin

#### 3.7 ALTERNATIVES AND COMPETITION

#### 3.7.1 Winpharm

Winpharm by Datascan is a premier pharmacy management software solution purpose built for doctors dispensaries, independent pharmacies, long-term care pharmacies, and hospitals. Features a full built-in verification module, Winpharm allows users to synchronize their customers with a point of sale (POS) solution, find and add new drugs, and store and scan hard copies of documents. Other key features include automatic refill processing, coupon management, medication therapy

## 3.7.2 VIP Pharmacy Systems

It is your cost-effective, user-friendly software solution that helps you manage your pharmacy and save you money. Customize your ideal pharmacy software with intelligent perpetual inventory, wireless signature capture, and Rx image scanning.

## 4) PRODUCT OVERVIEW

## 4.1 Product Perspective

Due to size and quantity service of the pharmacy has a very large customer base. The number of customer is quickly increase due to increase of demand of drugs in many areas. This situation makes the pharmacist to be busy and use a lot of the time to manage and control their business records. Pharmacy Management deals with managing the medicine stock and selecting the suitable medicine needed by the customers.

## 4.2 Advantages

The following are the advantages of proposed system

- Easy to manage all the daily transactions
- Can generate required reports easily
- Easy to manage historical data in a secure manner
- Centralized database helps in avoiding conflicts
- Easy to use GUI that does not requires specific training.

## 5) PRODUCT FEATURES

#### 5.1 FEATURE

- 1. Develop chain of medical store under Pharmacy
- 2. Each store has Store manager that can manage the Inventory of that branch
  - Management should be of: 1) Purchase
- 2) sales
- 3. Each store manager has their own credential for their shop, store inventory should not conflict
- 4. Store should communicate with the Pharmacy for their requirement of stock
- 5. Store manager should be able to view and modify product details
  - Product id, category, product, quantity, expected delivery date
- 6. Store manager should maintain purchase and sales log/invoice
- 7. Automated mail should be sent to Pharmacy for the stock requirement
- 8. System should be able to make analysis graph for specific category product, so they can manage the product stock

#### 5.2 OTHER FEATURE

- 1. Necessary information about products
- 2. Customer sales and purchases records
- 3. Preparing invoices
- 4. Easy search, update, delete and display details about the medicine

## 6) CONSTRAINTS AND PRUDUCT REQUIREMENT

## **6.1 SYSTEM REQUIREMENT**

- Software: windows 7+
- Apache Tomcat Server
- PHP
- HTML, CSS, JavaScript
- Tailwind

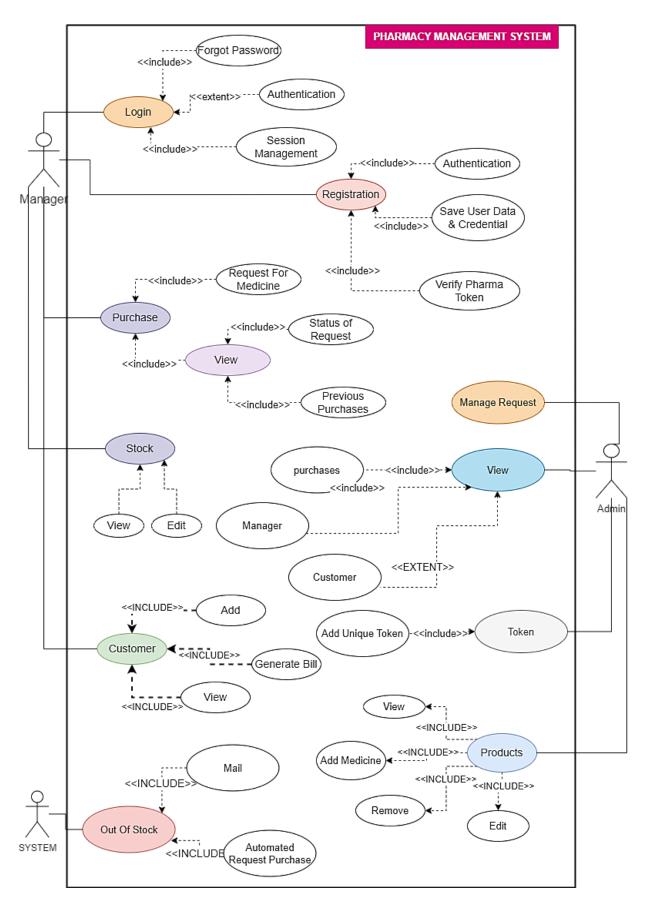
## **6.2 PERFORMANCE REQUIREMENT**

- 4GB system RAM is enough to run the software, but more memory will increase the speed and performance of the software.
- Chrome/Mozilla v90+ is required for a smooth web performance.

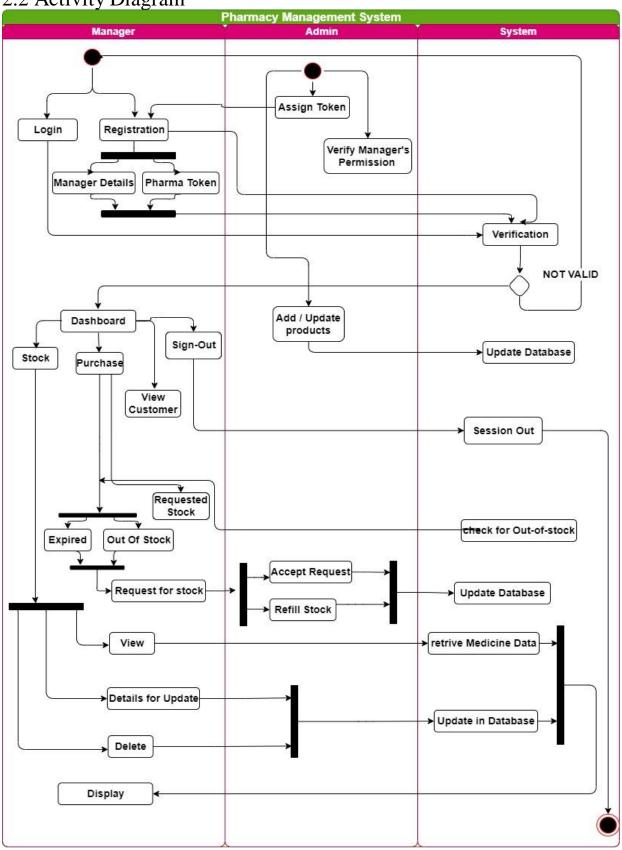
## 2) UML DIAGRAM

## 2.1 Use Case Diagram

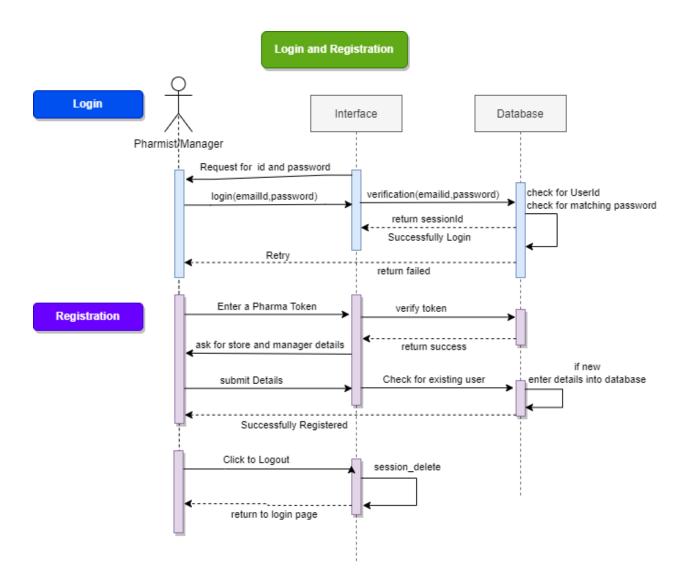
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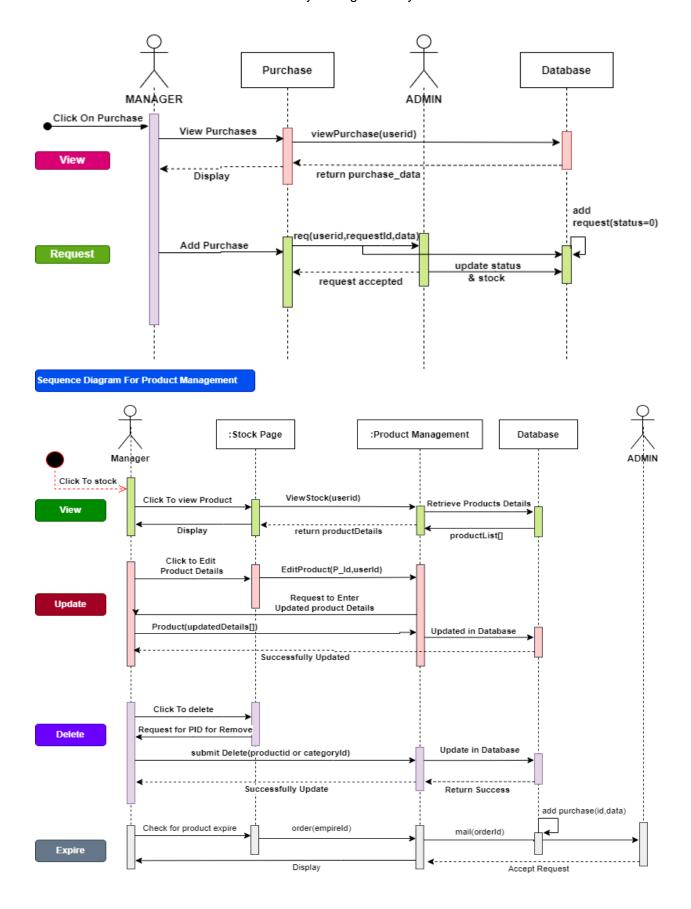


2.2 Activity Diagram

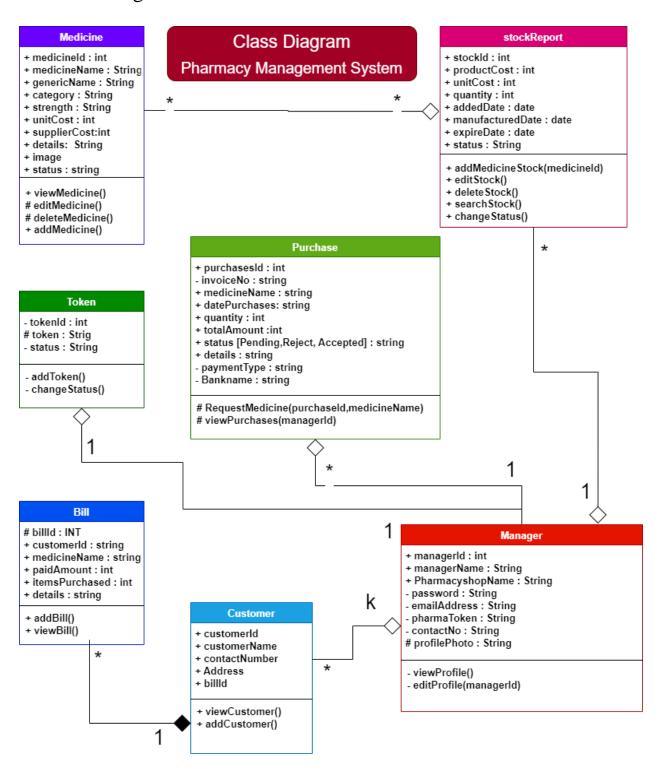


# 2.3 Sequence Diagram

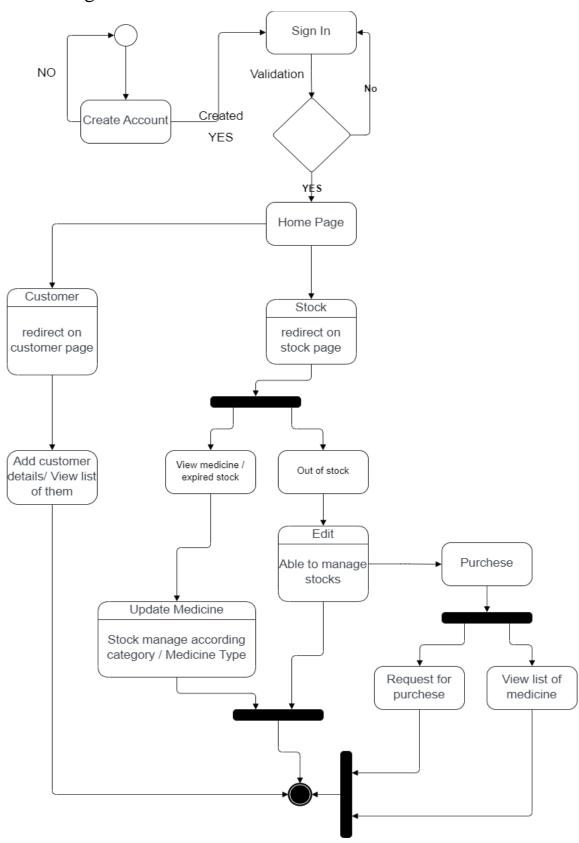




## 2.4 Class Diagram

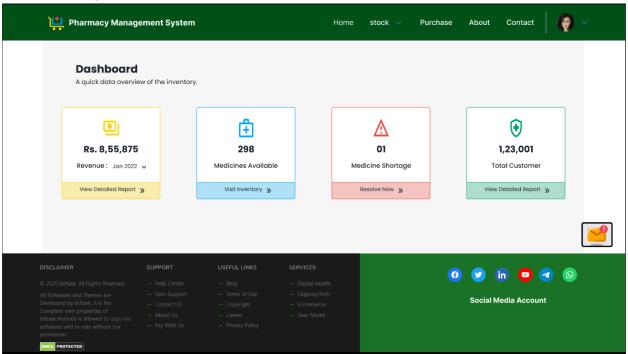


# 2.5State Diagram

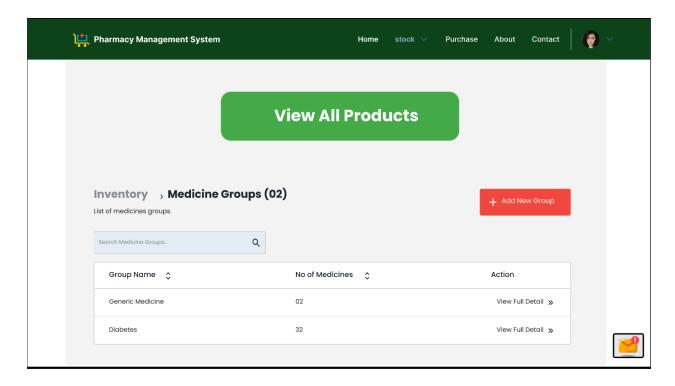


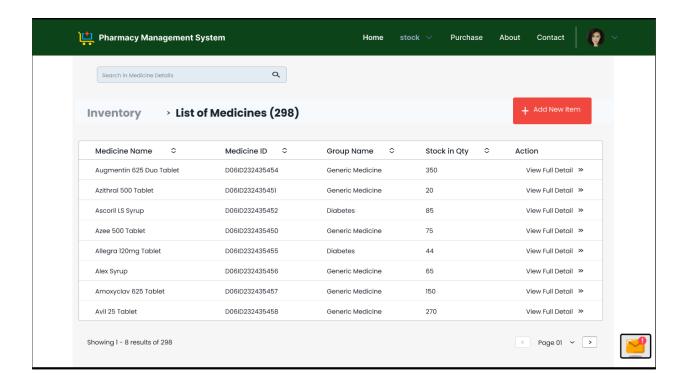
# 3) Wireframe Screens of the project

## 1) Home Page

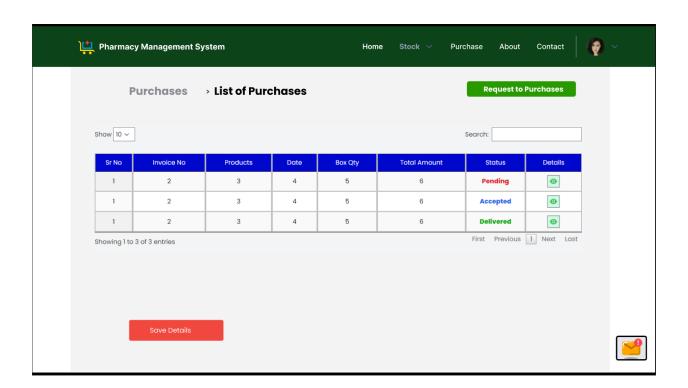


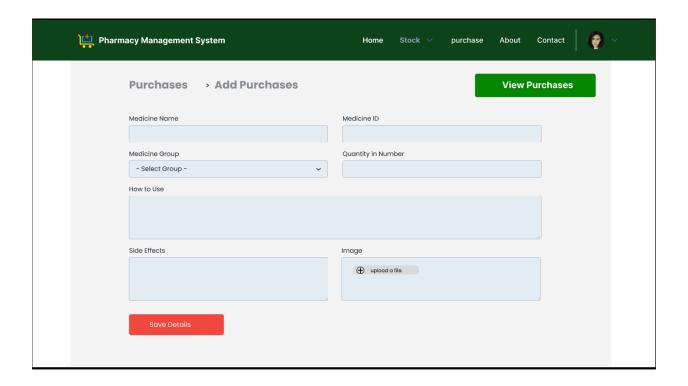
## 2) Stock Page



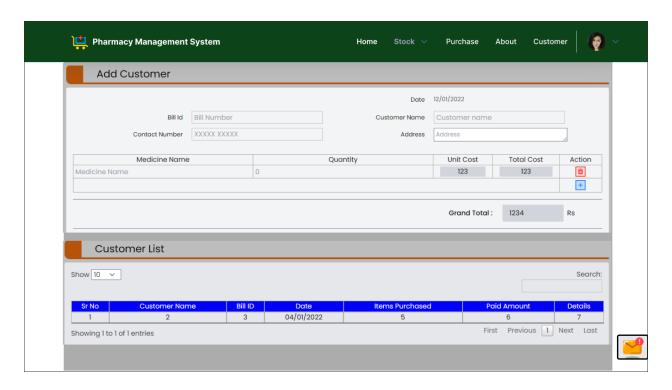


## 3) Purchase Page

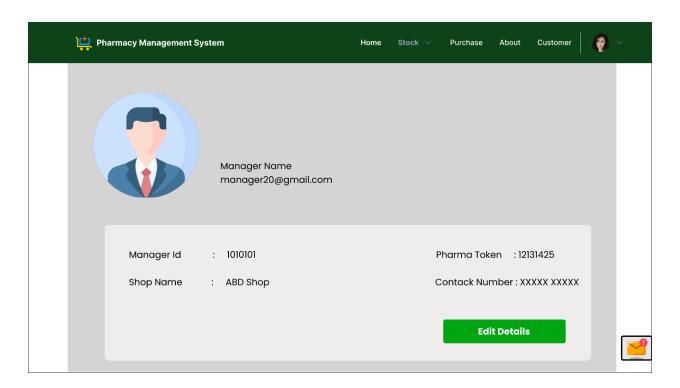




## 4) Customer Page

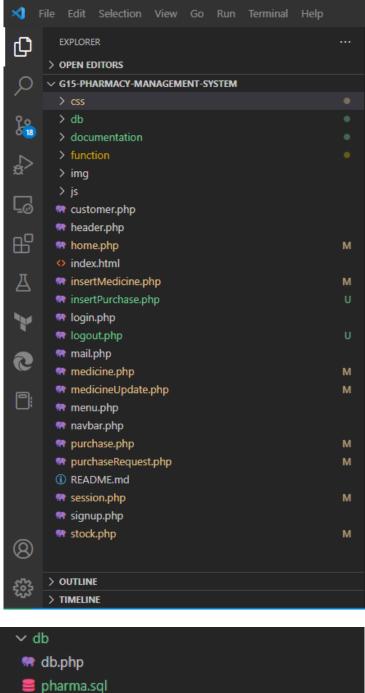


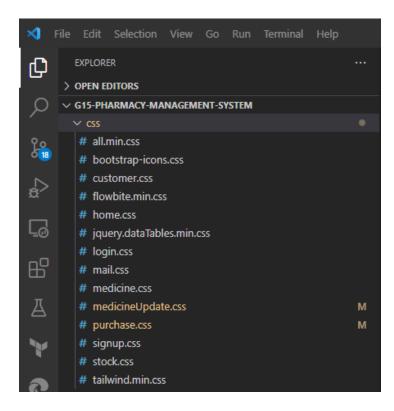
# 5) Profile Page

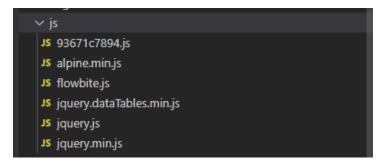


# 4) Code Screenshot

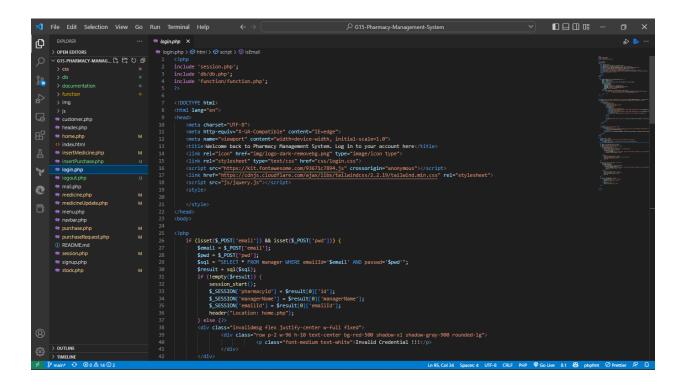
## Code:

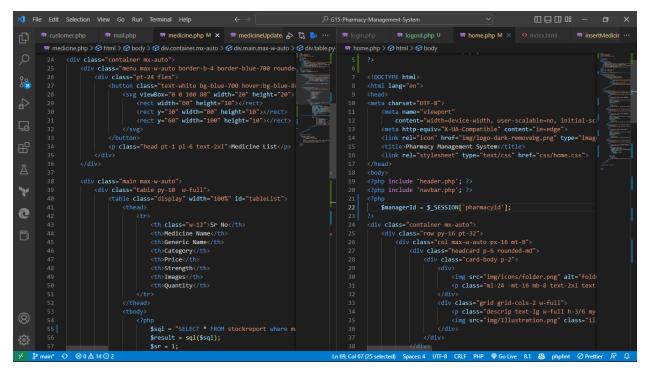


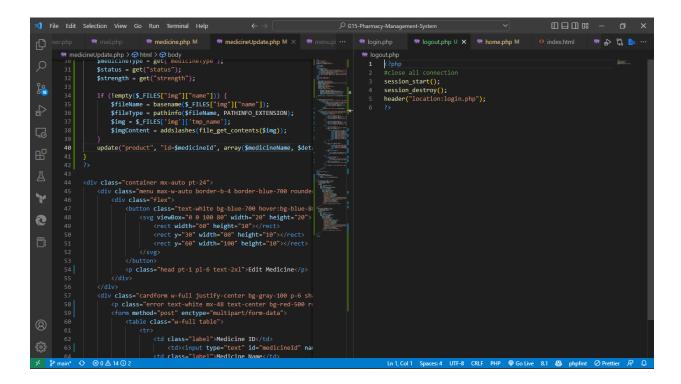


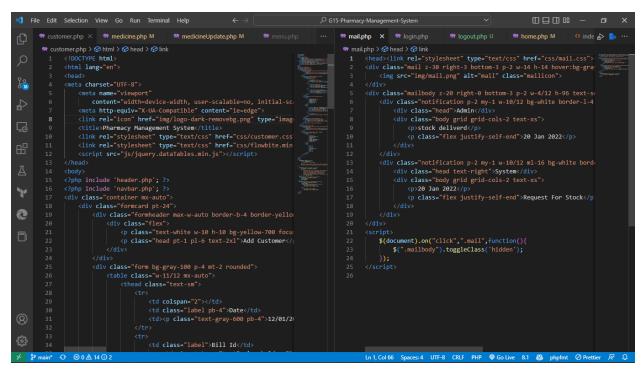


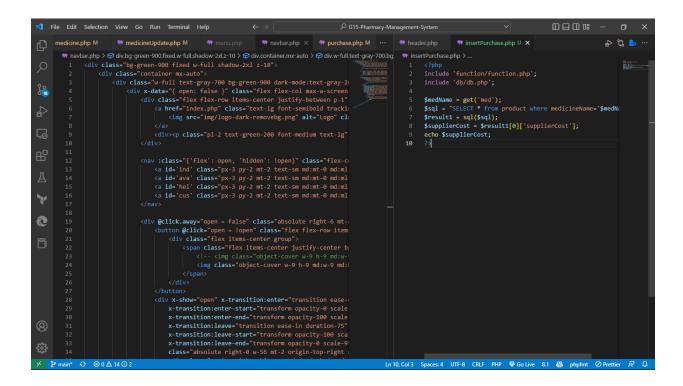




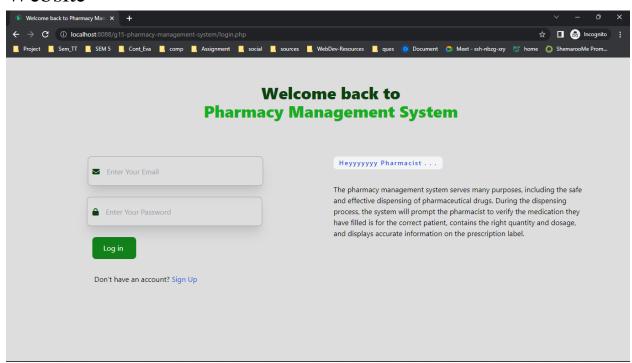


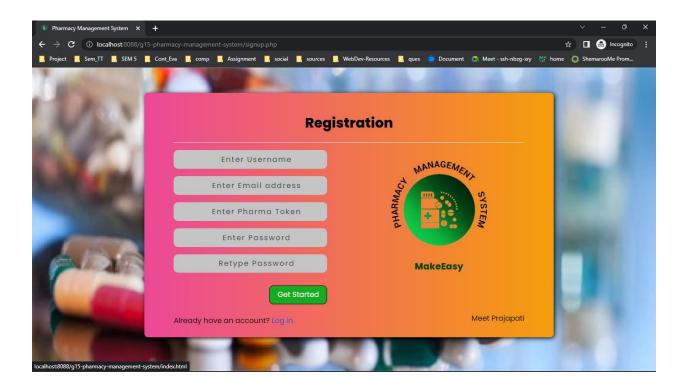


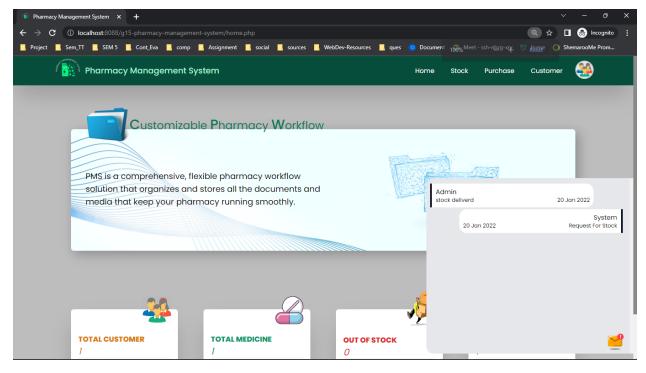


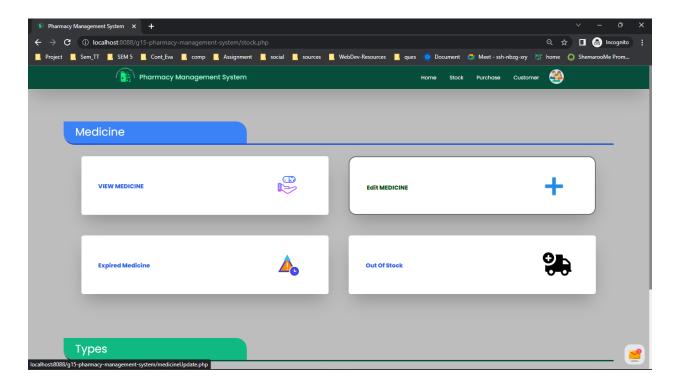


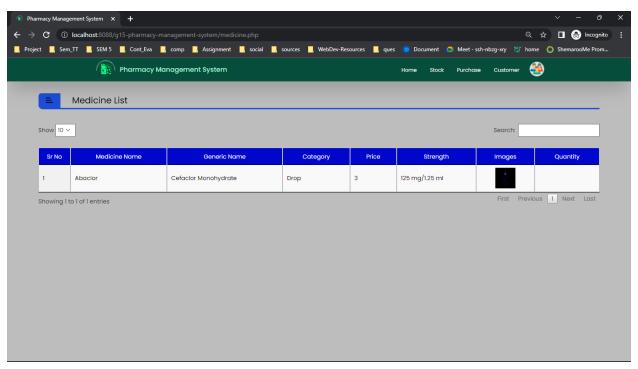
## Website

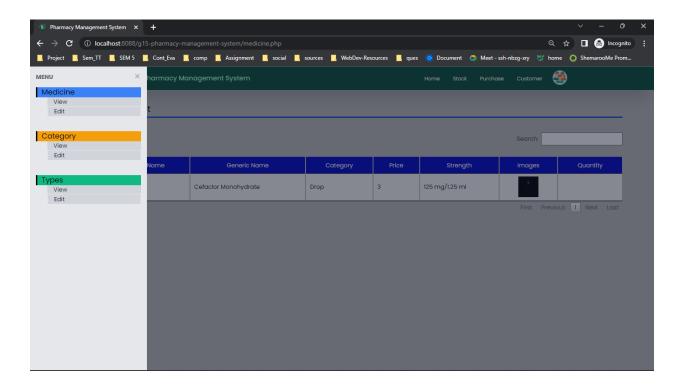


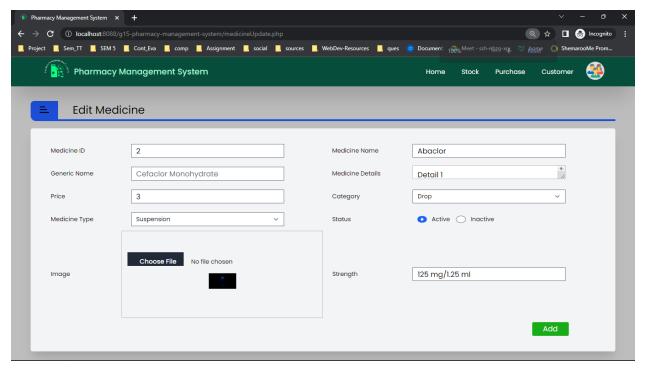


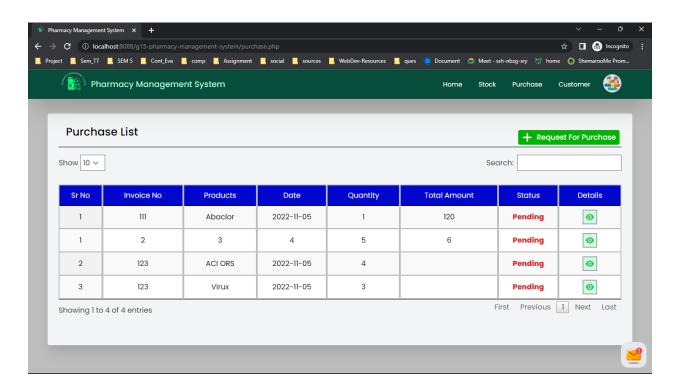


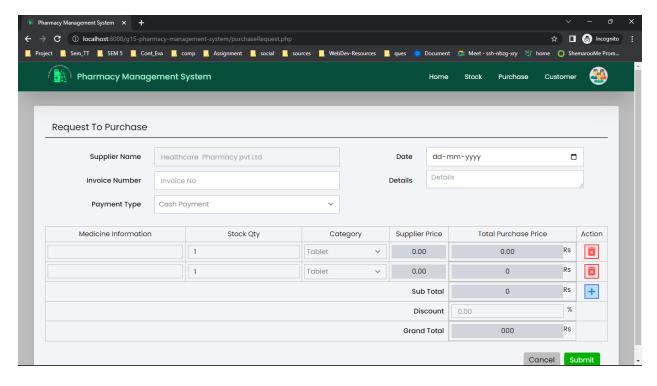


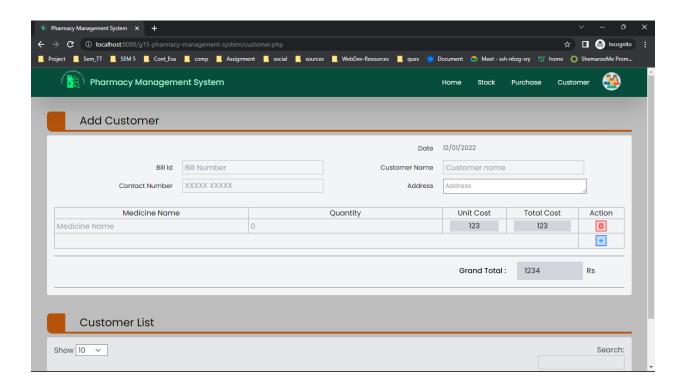


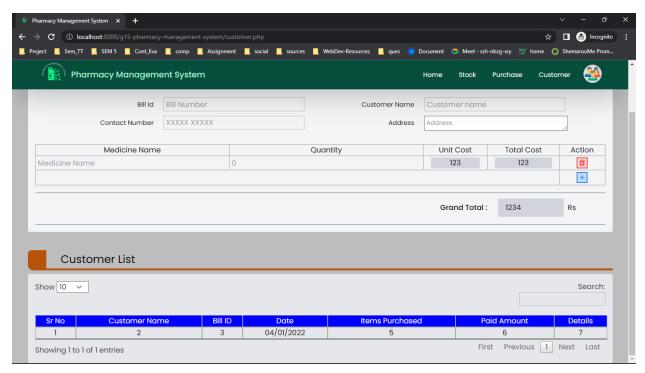












# MySQL Database:

