**CSCI 5333 – Database Management System**

**Professor: Dr. Khondker Shajadul Hasan**

**USER & PROGRAM MANUAL**

**On**

**PHARMACY MANAGEMENT SYSTEM**

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**USER MANUAL**

**Introduction:**

The Pharmacy Management System project was developed for a local medical store in town. In this system, the pharmacist is in charge of handling the prescription of the customer, while the cashier is in charge of billing generation and the manager is responsible for handling the medication. This user-friendly pharmacy management system allows the pharmacy manager to accept drug batches, remove stock that are no longer effective, and adjust a drug's dosage. This project may also assist in keeping a patient's medication summary up to date.

**System Overview:**

To successfully run this project the pharmacy store would require a database called PostgreSQL that is connected to a server named XAMPP server which would help the pharmacist run the overall project.

**Modules Description:**

The pharmacy management system comprises the four modules listed below:

* **Admin Module**
* **Pharmacist Module**
* **Cashier Module**
* **Manager Module**

1. **Admin Module**:

Pharmacist:

In this admin module, the admin can add new pharmacists, and view the list of pharmacists and has the right to delete pharmacist details.

Manager:

In this, the admin can add a new manager, view the details of managers, and has the right to delete manager details.

Cashier:

In this, the admin can add a new cashier, view the details of the cashier, and have the right to delete cashier details.

1. **Manager Module**:

The manager module is used to view the pharmacist and cashier details. The manager can also manage the medicine by adding or removing the medicines.

1. **Pharmacist Module**:

The pharmacist module is used to add, view, and delete the prescription list.

1. **Cashier Module**:

The cashier module can collect the bills and cash. This module maintains the process of generating the bill. This module gives the following details to process payment.

**How to Run Project?**

**[Note: Before we run the project, we need to place the “Pharmacy1” folder in the location: C:\xampp\htdocs]**

**Step 1:**

First step is that the pharmacy owner must launch the “XAMPP Control Panel” software and wait for it to load.

**Step 2:**

After loading, the owner must start the “APACHE” server by clicking on the “START” button next to the word “APACHE” and wait for it successfully get connected.

**Step 3:**

After we have started the APACHE server, we must go to any web browser and run the given URL: <http://localhost/phppgadmin>

**Step 4:**

The above url will load the “PostgreSQL” database. Then, we need to login into the database using the below credentials. After entering the below credentials our database will get connected.

**Username:** postgres

**Password:** root

**Step 5:**

Now, the pharmacy admin will launch the project by running the below URL: <http://localhost/Pharmacy>1

This will take him/her to the login page of the project.

**Step 6:**

The admin will log in using the credentials given below:

**Username:** john\_doe

**Password:** password123

**Step 7:**

The admin has 3 choices either to create a profile for a pharmacist, cashier, or manager.

**Step 8:**

After creating the pharmacist, cashier, or manager, the admin can view their details of the individuals. The admin has the freedom to either update their respective details or delete their details from the database.

**Step 9:**

Now we log out of the admin module and move back to the login page.

**Step 10:**

Now we log in as a manager using the below credentials:

**Username:** alex\_manager

**Password:** pass123

**Step 11:**

After logging using the above credentials the manager can add information about various medicines with respect to the category of the medicines, the cost of the medicines and its quantity.

**Step 12:**

After adding the details of the medicine into the database, the manager can also modify the data of the existing medicines.

**Step 13:**

Further the manager can also delete the stock information from the database in case the medicines have expired.

**Step 14:**

Now we log out of the manager module and move back to the login page.

**Step 15:**

Now we log in as a pharmacist using the below credentials:

**Username:** emily

**Password:** password4

**Step 16:**

The pharmacist can create a prescription for the customer based on the customers’ requirements. And after creation of the prescription, the pharmacist can either view or delete the prescription.

**Step 17:**

Now we log out of the pharmacist module and move back to the login page.

**Step 18:**

Next, we log in as a cahier using the below credentials.

**Username:** bob\_cashier

**Password:** password3

**Step 19:**

The next phase in the project is the billing part. The cashier is responsible for generating the bill. The bill will contain information such as the medicine name, quantity, price of the medicine and the dosage

**PROGRAMMER MANUAL**

To successfully run the the project, we would require the following below hardware and software tools.

**HARDWARE REQUIREMENTS:**

* Processor: Intel i5 onwards
* Memory: 8.00 GB RAM
* Hard Disk Space: 100GB

**SOFTWARE REQUIREMENTS:**

* Front end: php (Version 7.2.34)
* Back end: PostgreSQL (Version 12.17)
* Server: XAMPP (Version 7.2.34)
* Text Editor: Sublime Text/ Notepad++

**Steps to link PostgreSQL and XAMPP:**

**Step1:** The first step would to download and install the below version of XAMPP and save XAMPP in “C:\” drive.

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**Step 2:** Next step would be toextract the below file and then in the “C: \” drive replace the current “xampp” folder with the below extracted “XAMPP” folder.



**Step 3:** After downloading and installing XAMPP, we would need to open the XAMPP Control Panel by searching it in the “Type here to search” bar in the bottom-left corner of the screen which is next to the “Windows” icon.

**Step 4:** Now we need to start the “APACHE” server by clicking on the “START” button next to “APACHE”.

**Step 5:** The next step would be todownload and install the below version of PostgreSQL and save it in “C:\xampp\pgsql\12.17” path.

[**Note:** We don’t need to install the below PostgreSQL, since, it is already preinstalled in “XAMPP” folder inside xampp.rar file in the path “C:\xampp\pgsql\12.17”].

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**Step 6:** Now we need to stop the “APACHE” server by clicking on the “STOP” button next to “APACHE”.

**Step 7:** Now again we need to start the “APACHE” server by clicking on the “START” button next to “APACHE”.

**Step 8:** After we have started the APACHE server, we must go to any web browser and run the given URL: <http://localhost/phppgadmin>. This will successfully establish a connection between XAMPP and PostgreSQL.