TEAM NAME: AZTECH

PHARMACY MANAGEMENT SYSTEM

1.1 PROBLEM STATEMENT

Manually managing the records of each product is quite complex. It is a time-consuming procedure. If there are any errors, such as missing records that were stored offline, numerous problems develop, and it becomes difficult to recover the data, thus monitoring the details is not ideal.

1.2 SIGNIFICANCE

This allows us to conveniently access and manage information. This also aids in the verification of existing stock and the updating of stock as needed. This also cuts down on the time it takes to find the goods in the current supply. A Pharmacy system's purpose is to keep track of your items and supplies. Pharmacy management is the process of overseeing the ordering, storage, and usage of components used in the creation of the items that a firm sells.

2. OVERVIEW AND PLANNING

This system has the following modules:

Adding of Products

This function allows the user to add medicines to the medicine catalog.

Removing of products

This function allows the user to remove medicines from the medicine catalog

Updating of products

This function enables the user to modify the existing medicines.

Search

This allows the user search the existing catalog for medicines.

2.2 CHALLENGES

- To demonstrate why this program is superior than the manual system.
- To describe the software's detailed methodology.

- To create software that is simple to use and avoids complexity.
- The program should meet the demands of the user.
- To offer reliable database services.
- Ensuring that the program operates in the user's location (user environment).
- Inadequate communication between the sales and supply chain management teams.

2.3 ASSUMPTIONS

- Based on the sales orders sent to supply chain management, they examine the availability of raw materials before supplying and manufacturing items.
- The inventory system keeps track of the items and their quantities. The specific facts of the product are shown to the user based on the product's sales, and the customer chooses the product to sell based on this.

2.4 ARCHITECTURE SPECIFICATIONS

- The architecture of Pharmacy management system uses client server model
- The design or architectural specification for the pharmacy management system is Java since the JSP architecture will be used.
- The Java Database Connectivity (JDBC) will use the MySQL Connector for the server to communicate to the inventory database.
- Upon receiving requests from the clients, the server will issue transactions to the MySQL database.

2.5 HARDWARE REQUIREMENTS

PROCESSOR: 64-bit

ROM:2GB

RAM:4GB

2.6 SOFTWARE REQUIREMENTS

OPERATING SYSTEM: WINDOWS 10

FRONT-END: JAVA INTELLIJ WITH SCENEBUILDER

BACK-END: MYSQL

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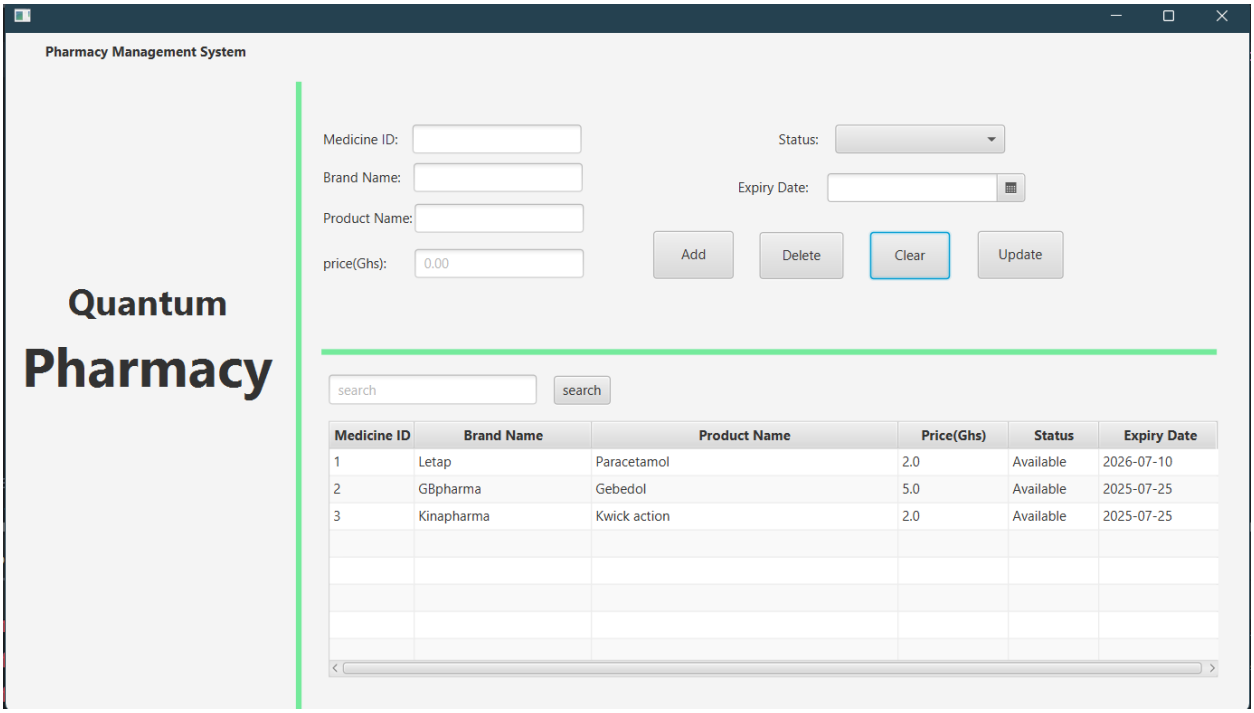
3. SYSTEM DESIGN



3.1 HOW TO RUN THE SOFTWARE

1 You need to have ***mysql*** installed on your local pc.
2 Create a new database called ***pharmacy*** (lowercase).
3 Create a new table called ***medicine*** with 6 colums.
4 Columns should named ***(medicineID(INT), brandName(VARCHAR), productName(VARCHAR), price(DOUBLE), status(VARCHAR), expiryDate(DATE))***
5 Make sure you choose the appropriate datatypes for each column.
6 Open the project folder with ***IntelliJ*** or any IDE.
7 Navigate to ***src/main/java/com.example.semestergroupwork/***
8 Make sure to add the ***external jar files*** if you haven't (They are for database connection).
9 They can be located in the ***jar_files*** folder
10 Inside there, u will find a java file called ***DatabaseConnection.java***
11 Open the file and go to where ***getConnection*** function is declared.
12 Change the ***databaseUser*** to the user on ***mysql*** on your local pc.
13 Change the password to the password you set up when installing ***mysql*** for that user.
14 If you are using a different port number, modify the ***url*** to that port number
15 Save and run the program

4.0 DISCUSSION

In the future, the items can be scanned with a barcode scanner. A system may be created to accept online orders from clients and deliver them. With the use of feedback, a customer connection may be created.

5.0 CONCLUSION AND FUTURE DEVELOPMENTS

In this project, we created a system that allows shops to effortlessly sell and maintain their items. It addresses ERP functional areas such as marketing and sales, supply chain management, accounting and finance, and human resources. As a result, the retailer's sales might be increased with the aid of pharmacy management. As a result, the essential items may be purchased based on demand. In the future, the items can be scanned with a barcode scanner. A system may be created to accept online orders from clients and deliver them. With the use of feedback, a customer connection may be created.

TEAM MEMBERS:

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