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MEDIC WORLD – THE PHARMACY

MANAGEMENT

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MEDIC WORLD – THE PHARMACY MANAGEMENT

INTRODUCTION:

A program called the pharmacy management system is useful for pharmacists and pharmacy administrators. This project examines how a pharmacy management system was created and put into use. By compiling a database of the medications sold in the store, this is accomplished. The pharmacy management system's main goal is to boost accuracy while also enhancing the store's security and effectiveness. The creation of software for efficient retail administration is the aim of this project.

We have software designed to offer efficient policing through the distribution of statistics in pharmacies. You have already constructed the database, and it will be connected to the program, the relationships, and Visual Basic. A database can be updated using a pharmacy management system, allowing you to keep track of the medications you have on hand.

The information on chemists and medications can be stored in this application. The head of the pharmacy or medical shop who can add and amend the details of chemists is represented by the role "admin" in this application. In their pharmacy, they may view all the chemists. They are free to remove any specific chemist. I'll now discuss the chemist position. this job can delete, amend, and add new medications. The option "sell medicine" is another one that is available to chemists, and it allows them to do so.

OBJECTIVE OF THE PROJECT:

This is a very helpful program for chemists since it lightens their workload and makes it easier to manage every aspect of the pharmacy, including drug administration, invoicing, and other tasks that boost processing speed. This will improve patient comfort and clinical effectiveness. The bill inspection process is crucial in a pharmacy. Additionally, the specifications for the items can be easily met by the pharmacy management system. This enables quick searches, product removal, and product updating, as well as the safe and secure preservation of the information about medicinal products.

The development of the pharmaceutical management system aims to enable efficient and transparent data manipulation and storage. The primary goals of pharmacy management are to automate pharmacy organizations in order to create a high quality by reducing or eliminating the time of loss, and to remove materials like paper in order to add data to it (I am aware that paper-based systems have existed in the past). This will help to address the issue of inadequate health care by supplying pertinent information.

TECHNIQUES:

Sun Microsystems first launched Java, a well-known high-level, class-based object-oriented programming language, in 1995. Currently, more than 3 billion devices use Java, which is owned by Oracle. Java is compatible with several operating systems, including Windows, Mac OS, and numerous UNIX variants. Numerous forms of software applications,

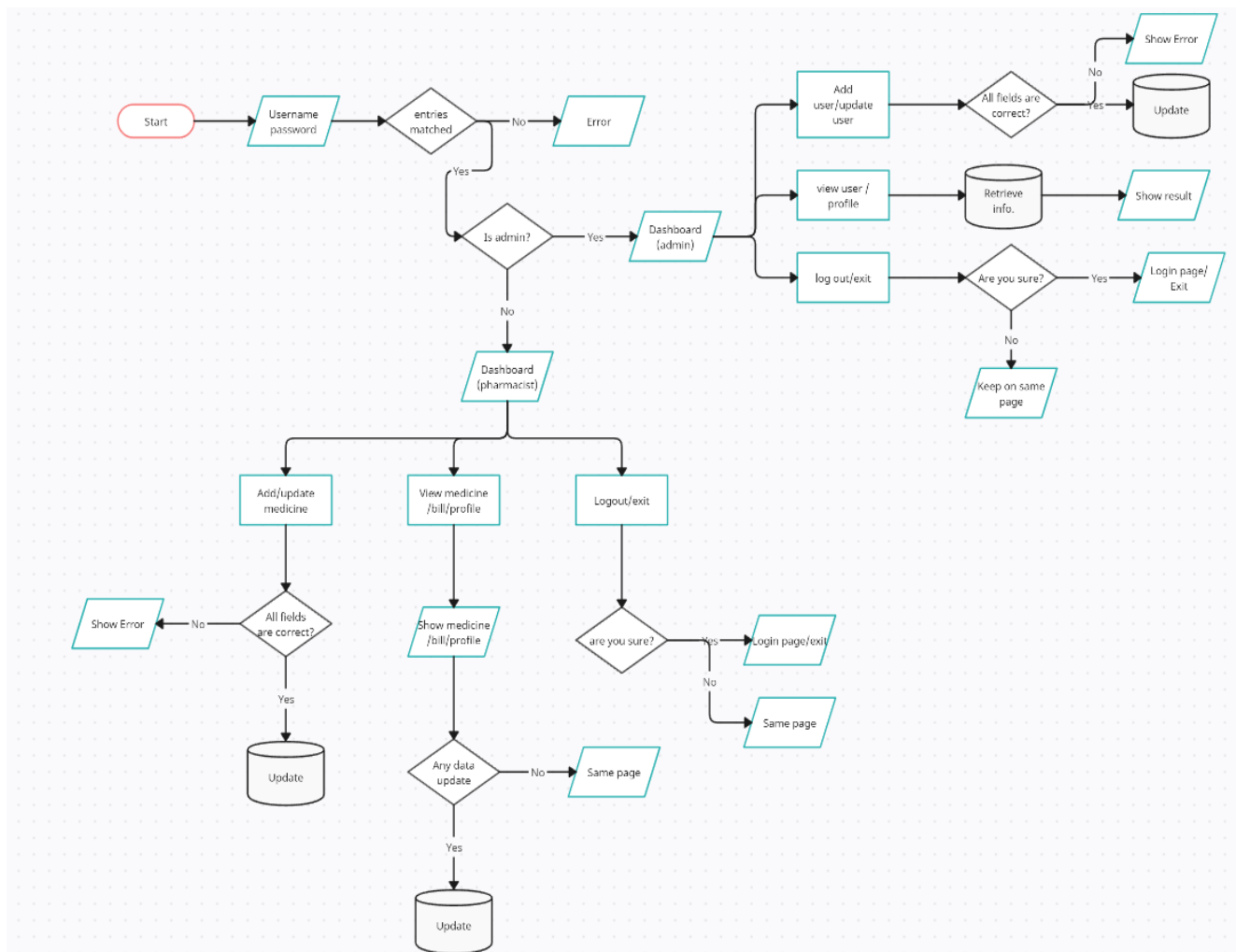
including mobile apps, web apps, desktop apps, games, and much more, are created using Java.

Swing is a platform-neutral, lightweight component of Java's core class. It's employed to make window-based apps. It has elements such as a button, scroll bar, text box, etc. The result of combining all these elements is a graphical user interface.

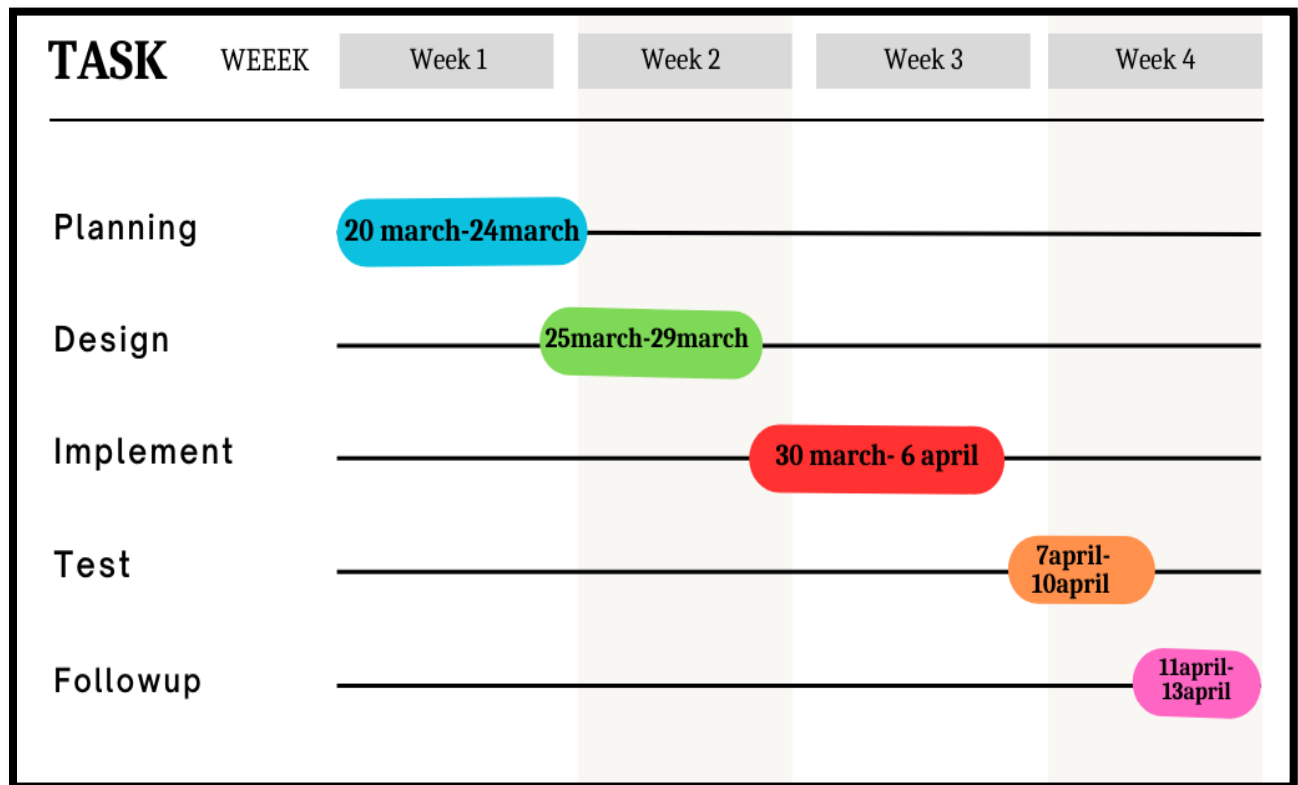
MODULES AND SNAPSHOTS:

- LOGIN
- Dashboard (Admin)
- Dashboard (Pharmacist)
- Add User
- Add Medicine
- View User
- View Medicine
- View Bill
- Update User
- Update Medicine
- Profile
- Sell Medicine

FLOWCHART:

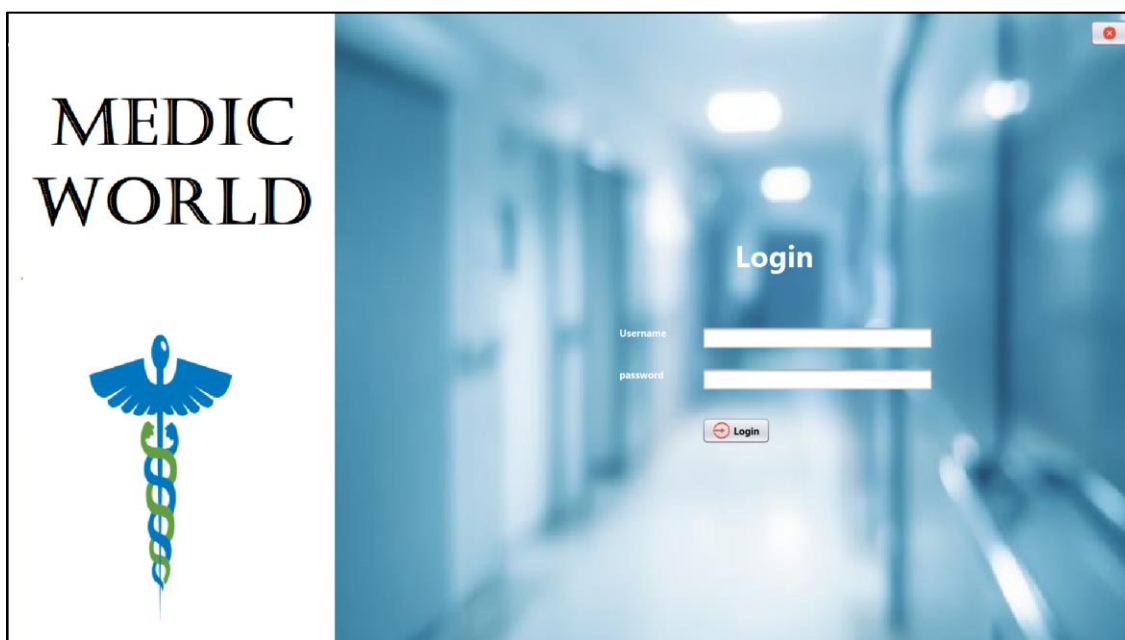


GANTT CHART:



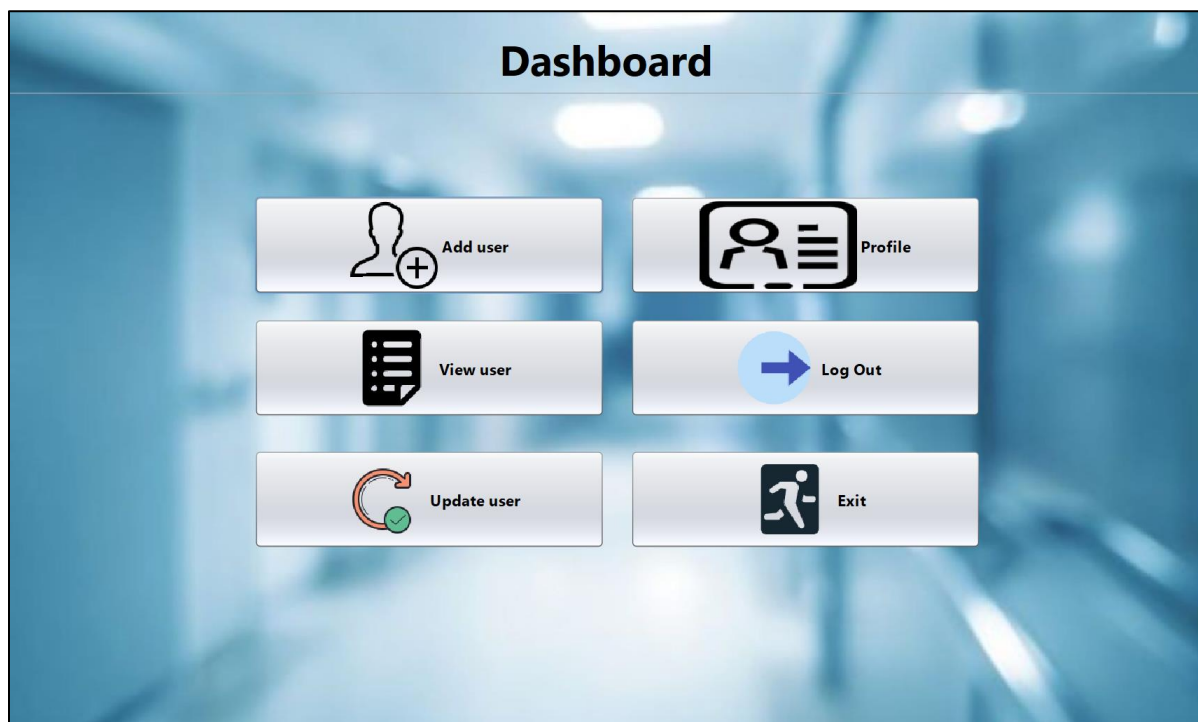
LOGIN:

The administrator or chemist can log in using their username and password on this page. In case of wrong password or username a pop-up window will appear with error message “Incorrect username or password”. The dashboard user interface will then be provided to them based on their user role. To close this application from login page, there is an close button provided in top-right corner.



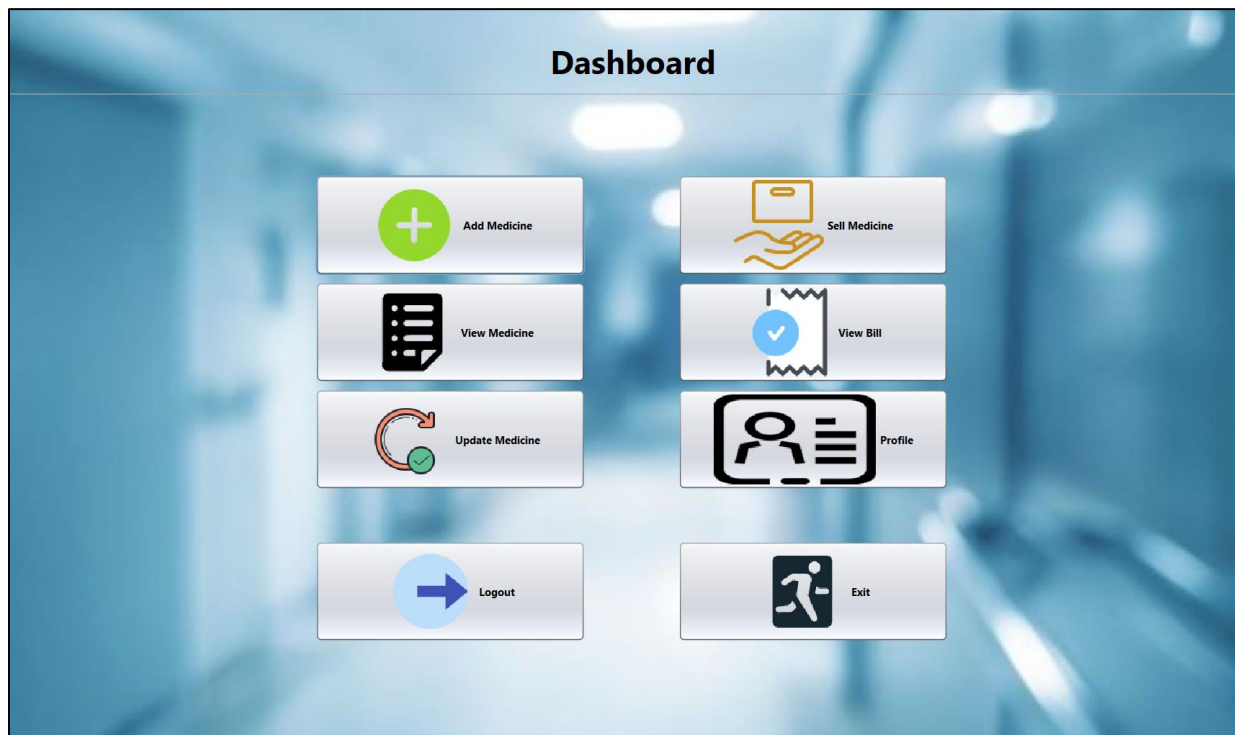
Dashboard (Admin):

The administrator can edit the pharmacists' personal information on this page and add new pharmacists. The administrator has access to view all users and their own profile as well. moreover, he has the option to log out or quit the program. While exiting the application, a pop-up window will confirm whether you want to close this application or not.



Dashboard (Pharmacist):

The pharmacist can add, view, update, and sell medications in this module. He or she can access their profile, but they must get in touch with the administrator to edit it. They can also view all bills. The chemist must select the appropriate option to log out or quit the application. While exiting the application, a pop-up window will confirm whether you want to close this application or not.



Add User:

The administrator must complete the user-role, name, mobile number, dob, email, username, password, and address boxes on this page in order to add a new Pharmacist. If the user information is accurate, the user will be added to the database, and you will receive notification that "user added successfully" in a pop-up window. To close this window, you just must use the close button provided in top-right corner of window.

Add User

User Role

Admin

Name

DOB (Date Of Birth)

Mobile No.

Email

Username

Password

Address

Save

Add Medicine:

To add a new medication to the database, the pharmacist must fill out this module with the id, name, company name, quantity, and price per unit of the specific medicament. Any fields that are incomplete or empty will display an error message in a pop-up window. If the medicine info is correct, then the user will be added in database and notify you through a pop-up window that “medicine added successfully”. To close this window, you just must use the close button provided in top-right corner of window.

Add Medicine

Medicine ID

147

Quantity

120

Name

BETACAP 20

Price Per Unit

4

Company Name

Medic World

Save

View User:

In this module the admin can view all the users in the database. By selecting a specific row in this module, admin can delete any user and the same will be updated in database. In order to close this application, you must have to use the button in top-right corner.


View User								
ID	Name	Role	DOB (Date of...	Mobile Number	Email	Username	Password	Address
3	kuldeep varma	Admin	04-04-2003	7418529674	kuldeep@gma...	kuldeep	1234	lovely professi...
25	Shraddha Gup...	Admin	13-01-2003	7845784524	shraddha@g...	shraddha	1234	LPU, Jalandhar
26	Shraddha	Pharmacist	07-01-2003	7859648596	shraddhaabc...	shraddha123	1234	LPU, Jalandhar
27	Kul Deep Var...	Pharmacist	12-04-2004	9856758545	kuldeep123@...	kuldeep123	1234	Jalandhar, Pu...

Click on row to delete user

View Medicine:

The chemist can view all the medications in stock in this module. Any drug can be deleted by a chemist simply clicking on it and confirming the pop-up window. To close this window, you must use the close button provided in top-right corner of this window.

View Medicine



ID	Medicine ID	Name	Company Name	Quantity	Price
5	12	Napra D 500	Medic World	195	23
6	123	Paracetamol	Medic World	397	5
7	56	naxdom	medic world	8	50
9	147	BETACAP 20	Medic World	120	4

Click on row to delete medicine

View Bill:

By selecting a specific row in this module, pharmacists can open any bill pdf.

View Bill			
Bill ID	Date	Total Paid	Generated By
Bill-858808353414500	16-04-2023	115	gaurav
Bill-861292695252000	16-04-2023	240	gaurav
Bill-916465573041600	17-04-2023	100	gaurav
Bill-918138800225500	17-04-2023	735	gaurav

After clicking on a row pop-up window will appear to ask whether you want to open bill pdf or not. If you click yes, then that bill be opened. Since they will be used in the future, these bills cannot be removed by application. Here is bill format.

Medic World					

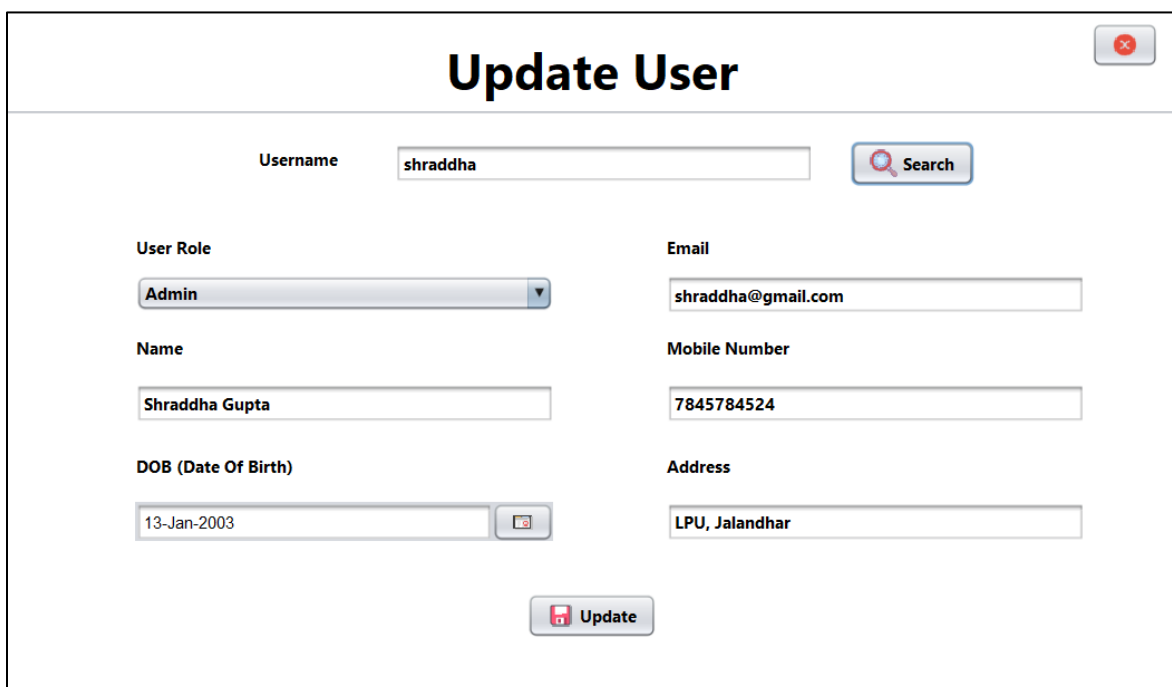
Bill ID: Bill-861292695252000					
Date: Sun Apr 16 20:23:10 IST 2023					
Total Paid: 240					

Medicine ID	Name	Company Name	Price Per Unit	No Of Units	Sub Total Price
12	Napra D 500	Medic World	23	5	115
123	Paracetamo l	Medic World	5	3	15
5	fghjkl	hbjnm	5	2	10
111	Pertil MD 0.25mg	xyz	20	5	100

Thank you, Take Care.					

Update User:

To search for a specific chemist in this module, the administrator must enter the pharmacist's username and click the search button. Following that, all fields will be filled with the data belonging to that specific user; otherwise, an error pop-up will appear with error “username doesn’t exist”. After making changes, the database administrator can save by selecting update and the same will be updated in database. To close this window, use the close button in top-right corner.



The screenshot displays a web application window titled "Update User" with a close button in the top right corner. The form contains the following fields and controls:

- Username:** A text input field containing "shraddha" and a "Search" button with a magnifying glass icon.
- User Role:** A dropdown menu currently showing "Admin".
- Email:** A text input field containing "shraddha@gmail.com".
- Name:** A text input field containing "Shraddha Gupta".
- Mobile Number:** A text input field containing "7845784524".
- DOB (Date Of Birth):** A text input field containing "13-Jan-2003" and a calendar icon.
- Address:** A text input field containing "LPU, Jalandhar".
- Update:** A button with a floppy disk icon and the text "Update" at the bottom center.


Update Medicine:

To update the medication in this specific module, the chemist needs to enter the medicine ID. If the medication is present, the database will be searched for the specifics of that medication. Except changing the current quantity, the chemist can add more and update all the medication's information by entering all the necessary information and pressing update. To close this window, use the close button in top-right corner.

Update Medicine

Medicine ID

123

 Search

Name

Paracetamol

Price Per Unit

5

Company Name


Medic World

Add Quantity

20

Quantity


397

 Update

Profile:

In this module, the administrator can alter his profile if he or she is logged in, but the chemist cannot if he or she is logged in. To edit their profile, users must get in touch with the administrator. The administrator must fill the belonging details (that needs to be updated) and click on save button. After it the same thing will be updated in database. To close this window, use the close button in top-right corner.

Profile




kuldeep

Name
kuldeep varma

Mobile Number
7418529674

Email
hdsvd@gmail.com

Address
lovely professional university

 Update

Sell Medicine:

In this module, pharmacists can search for medications by providing medicine id in the search field, and by clicking on a medication, the medication's information will be retrieved and displayed in the relevant fields. After that, he or she should enter the number of units before adding to the cart. Then the total price of that units will be calculated and displayed in total price field. You can remove medicine from your cart by clicking on the row of your cart. Total of all the medicines that are added in cart will be displayed on “Rs.” Label. The bill can be generated and saved for later use by selecting "purchase and print" after that. The details of bill will be saved in database and the pdf will be generated and saved in “G:” drive of your computer.

The screenshot shows a web application titled "Sell Medicine". It features a search bar on the left with the text "1" entered. Below the search bar is a list of medicine suggestions: "12- Napra D 500", "123- Paracetamol", and "147- BETACAP 20". The "147- BETACAP 20" option is highlighted. To the right of the search bar are input fields for "Medicine ID", "Name", and "Company Name". Further right are input fields for "Price Per Unit", "No. of Units", and "Total Price". Below these fields is an "Add to Cart" button. At the bottom of the form is a "Purchase & Print" button. A table below the "Add to Cart" button displays the following data:

Medicine ID	Name	Company Name	Price Per Unit	No. of units	Total Price
147	BETACAP 20	Medic World	4	5	20

Below the table, the text "Rs. : 20" is displayed.

SAMPLE CODE:

```
JFrame frame=new JFrame("SMS"); //to create frame

JLabel textLabel = new JLabel("creating frame"); //to create label

frame.getContentPane().add(textLabel,BorderLayout.CENTER); //attach
label to window

Dimension usernamesize = Username.getPreferredSize(); //default
dimentions

Username.setBounds(150, 100, usernamesize.width,
usernamesize.height); //specifying location of label

JButton LoginButton = new JButton("push me"); //create button

frame.getContentPane().add(LoginButton,BorderLayout.CENTER);

Dimension LoginButtonsSize = LoginButton.getPreferredSize();

LoginButton.setBounds(250, 250, LoginButtonsSize.width,
LoginButtonsSize.height);

// action to be performed after clicking the button

LoginButton.addActionListener(new ActionListener() {

    @Override

    public void actionPerformed(ActionEvent e) {

        try{

            Connection con=ConnectionProvider.getCon(); //dbms
connection (ConnectionProvider is class)
```

```

        Statement st=con.createStatement();

        ResultSet rs=st.executeQuery("query"); //return a particular row
from database

    }

    catch(Exception except){

        JOptionPane.showMessageDialog(frame, "Database Error");

    }

}

//fetching data from database

While(rs.next()){

    String name=rs.getString("name"); //fetch name from database
row and assign to name variable

    String username=rs.getString("username");

}

JOptionPane.showMessageDialog(null,"message"); //to show pop-up
window for errors or updates

```

FUTURE SCOPE OF THE WORK

A management system called a pharmacy management system was created to boost the pharmacy store's accuracy, safety, and efficiency. It has been one of the IT systems that helps pharmacists manage inventory and sales operations, as well as the user, so that the production quantity and left quantity to specific items or drugs, as well as supply, cost, health, safety, and security, etc. Currently, we have 80% of the options available and are prepared. There are four major types of advertising that we use, including customer, pharmaceutical, pharmacy, and retail advertising. We have a whole order system, a billing system, a mechanism for entering orders into the system for your company, and pharmacy outlets. A system for customers, pharmacies, stores, etc. is called an order.

However, there are still some tasks left, which we will complete later. Some systems function as follows:

1. The doctor appointment system.
2. A system of pharmacy rankings.
3. System for pharmacy safety

CONCLUSION:

to encourage the development of the pharmacy management system and to increase the pharmacy's effectiveness and safety. According to the system type, we have a project in this case that is on a computer. This will assist you in enhancing the cost, insurance, security, and other aspects of the administration of a medication. A pharmacy

management system has been developed to ensure consumer dependability. They will be able to sell access to drugs as well as the right to use them, which will lessen the prevalence of these illicit operations.

The pharmacy management system is essentially an internet-based program that processes the necessary data, shops, and management information for the pharmacy database. Statistics medications, drugs, or medications to regulate the data that may also be updated and modified. It considers both the user's wants and the appropriate solutions. The user is responsible for carrying out the manufacture, sale, and purchase transactions if the medical product is not available before its expiration date. This software can also print receipts, reports, and other documents.

You get access to a wide range of additional features. Its primary objective is to maintain and facilitate the effective management of pharmacy data.

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