VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAVI, KARNATAKA -590 018

A Mini-Project Report

on

"Anish pharmacy"

Submitted in partial fulfillment for the *"Mobile Application Development Laboratory"* with Mini-Project (18CSL68) course of Sixth Semester of Bachelor of Engineering in Computer Science & Engineering during the academic year 2021-22.

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Accredited By:

2021-22

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Certified that the mini-project work entitled "**Anish pharmacy**" is a bonafide work carried out by **Kushi P Kogilvadi** (4MH19CS042) & **Dhanush M S** (4MH19CS026) for the **Mobile Application Development Laboratory with Mini Project** (18CSL68) of Sixth Semester in Computer Science & Engineering under Visvesvaraya Technological University, Belgavi during the academic year 2021-22.

It is certified that all corrections/suggestions indicated for Internal Assignment have been incorporated in the report. The report has been approved as it satisfies the course requirements.

Signature of Guide   Signature of the HOD

Dr. Wahida Banu   **Dr. Shivamurthy R C**

Associate Professor   Professor & HOD

Dept. of CS&E   Dept. of CS&E

MIT Mysore   MIT Mysore

External viva

Name of the Examiners   **Signature with date**

1)

2)

ACKNOWLEDGEMENT

It is the time to acknowledge all those who have extended their guidance, inspiration, and their wholehearted co-operation all along our project work.

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We wish to place a deep sense of gratitude to all Teaching and Non-Teaching staffs of Computer Science and Engineering Department for whole-hearted guidance and constant support without which Endeavour would not have been possible.

Our gratitude will not be complete without thanking our parents and our friends, who have been a constant source of support and aspirations

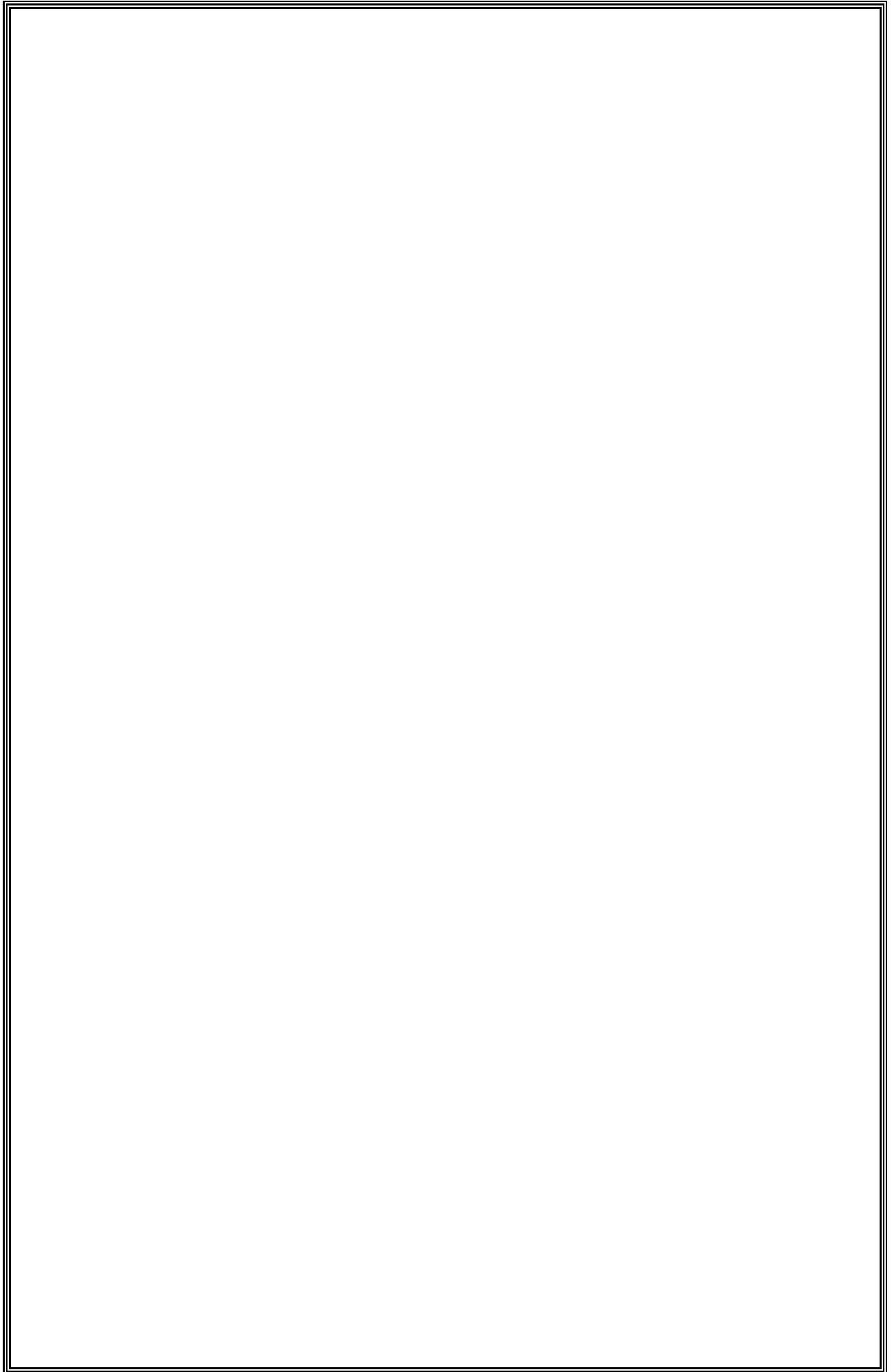<div align="right">

Dhanush M S

Kushi P Kogilvadi

</div>

ABSTRACT

In this project we are planning to develop a pharmacy managing android app where an admin can login using the right credentials and enter the dashboard page, if not it should display an error message saying what has went wrong like enter the correct username or password and then if the right credentials are given then it should take us to a dashboard page where an admin can either choose to create the medicine which has newly arrived and update the list, he can also view it or to manage the medicines available in the pharmacy by using crude functionalities, he can edit like to update by entering the details of the medicines available and to delete the details of the medicines which are out of stock or which are not available at the pharmacy at the present

After performing all these operations, he can logout by using the icon at the top right corner of the app

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CHAPTER 1

INTRODUCTION

1.1 AIM OF THE PROJECT

To produce an android application which manage the activities done in Anish Pharmacy. To maintain the stock details. To store large amount of data in the database which will reduce clumsiness. To reduce paper work; so that users can spend more time on monitoring the store.

1.2   OVERVIEW

This Project will have two modules. The login section will have login facility for the admin who will operate this system. The admin will have all the details about the medicines such as name, quantity, price along with a unique id being its generic name for each medicine. The admin can manipulate the data through admin login page and add any new consignment if required. The admin can manage the Medicine and products by using CRUD functionalities.

1.3   OUTCOME

A fully working Anish Pharmacy managing android application, which is ready to use and accessed by the admin only

CHAPTER 2

DESIGN AND IMPLEMENTATION

2.1 ALGORITHM

Step 1: Start

Step 2: Enter User name and password

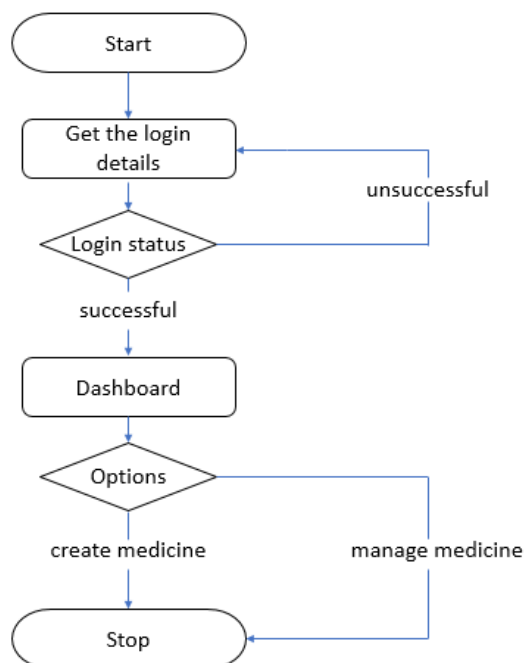Step 3: After validation select medicine from the dashboard

Step 4: Select option create medicine or manage medicine

Step 5: If create medicine, enter the details and click on insert

Step 6: If manage medicine, enter the generic name and then perform crud functions

Step 7: Stop

2.2 FLOWCHART

2.3 PROPOSED SYSTEM

- **Login page**

    The login page is made using linear layout. It contains a drawable Icon for visual enchantment at the top. For the entering and accepting the admin credentials we have used the two edit text widgets and to accept and validate this input we have used a button which will accept this input validate using java code and then return appropriate message, if the credentials are right then the admin moves on to the next page(activity) using intent function else the admin can reset the input and try again
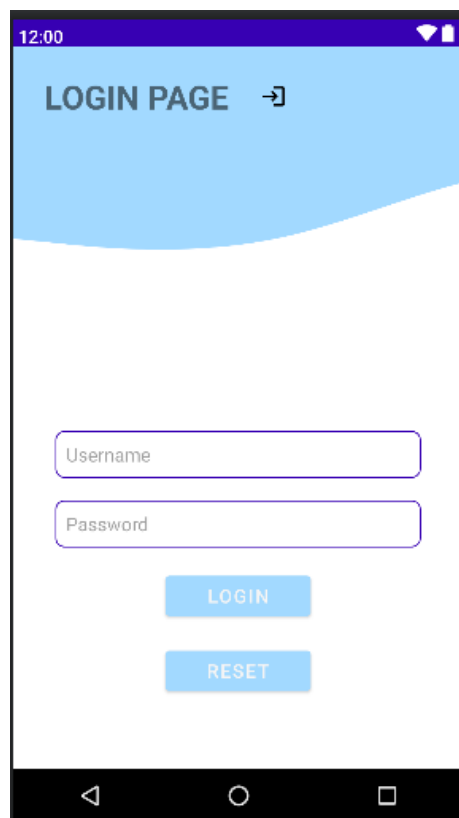

Fig 2.3.1 login activity

- **Dashboard page**

In the xml layout we have made again the use the drawable icon at the top for visual appearance and then we have the name of our project "Anish pharmacy" and the we have used an image as a button and given it Intent function, when touched it moves on the next activity. Along with this we also have a logout out button again with Intent function which when pressed takes the user back to the

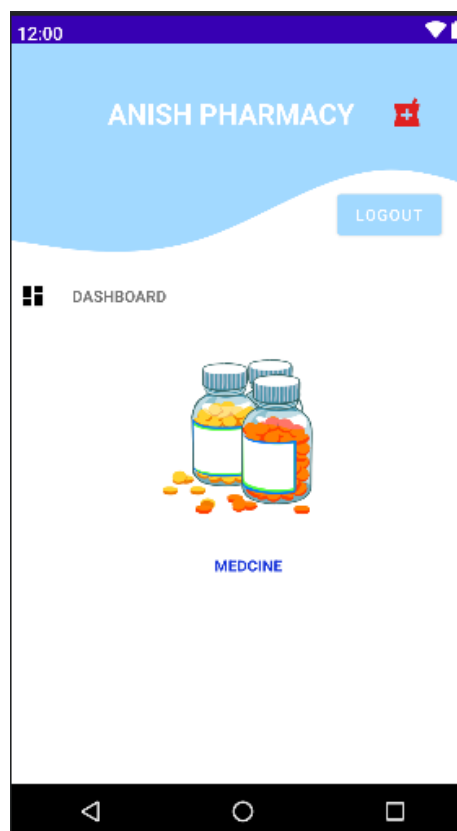**Fig 2.3.2 Dashboard activity**

- **Medicine page**

In the page we have made use of a gradient background for visual enhancement along with two buttons one for Creating the new medicine another for managing the inserted data of medicine using update delete and view functions, for which we have Intent function in the java files so it moves on to the next activity

Fig 2.3.3 Medicine page

- **Create medicine page**

  In this page we have 4 edit text widgets and one button with the name "Insert".
  Edit text are used to receive inputs such as generic name medicine name packing
  and supplier name. After the user adds the input and then clicks on input it invokes
  on click function in the java code and the function checkinsertuserdata() and if the
  insertion has succeeded it says "inset successful" else "insert unsuccessful" .

Fig 2.3.4 Create medicine page

- **Manage medicine page**

  In the page we have the same 4 text widgets used in the Create medicine page
  Along with 3 buttons here namely update, delete and view which are linked with
  the functions checkupdateuserdata(),checkdeleteuserdata() and a cursor() function,
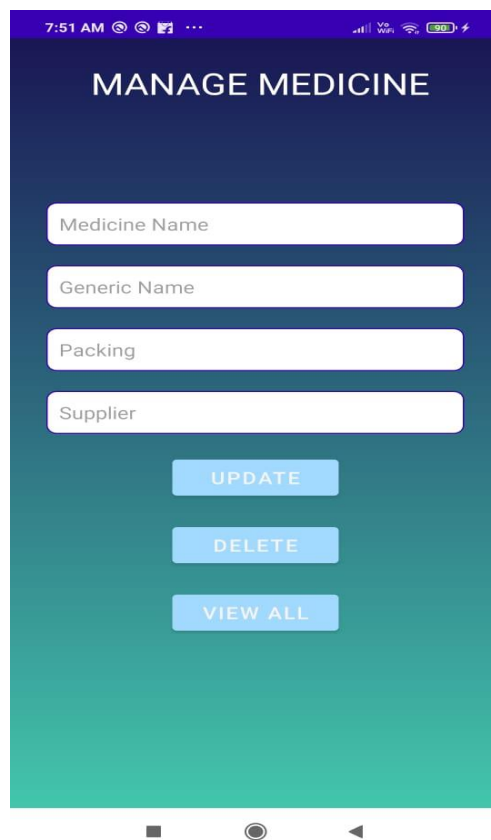 these are the fucntions liked with database code in the file name DB.helper.

Fig 2.3.5 manage medicine

2.4 SOURCE CODE

Code for Activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">


    <LinearLayout
        android:layout_width="600dp"
        android:layout_height="250dp"
        android:background="@drawable/ic_wave__2_">

        <TextView
            android:layout_width="250dp"
            android:layout_height="wrap_content"
            android:layout_marginTop="25dp"
            android:drawableRight="@drawable/ic_baseline_login_24"
            android:text="LOGIN PAGE"
            android:textAlignment="center"
            android:textSize="30dp"
            android:textStyle="bold" />

    </LinearLayout>

    <EditText
        android:id="@+id/username"
        android:layout_width="334dp"
        android:layout_height="wrap_content"
        android:layout_marginTop="100dp"
        android:layout_marginLeft="50dp"
        android:layout_marginRight="50dp"
        android:hint="Username"
        android:layout_gravity="center"
        android:inputType="textEmailAddress"
        android:padding="10dp"
        android:background="@drawable/roundedtext"
        android:textSize="17dp" />

    <EditText
        android:id="@+id/password"
        android:layout_width="334dp"
        android:layout_height="wrap_content"
```

```xml
        android:layout_below="@id/username"
        android:layout_marginTop="20dp"
        android:layout_marginLeft="50dp"
        android:layout_marginRight="50dp"
        android:layout_gravity="center"
        android:background="@drawable/roundedtext"
        android:hint="Password"
        android:inputType="textPassword"
        android:padding="10dp"
        android:textSize="17dp" />

    <Button
        android:id="@+id/login"
        android:layout_width="133dp"
        android:layout_height="wrap_content"
        android:layout_below="@id/password"
        android:layout_marginTop="20dp"
        android:layout_gravity="center"
        android:backgroundTint="@color/lakeblue"
        android:onClick="dothis"
        android:text="Login"
        android:textColor="#f5f5f5"
        android:textSize="17dp" />

    <Button
        android:id="@+id/reset"
        android:layout_width="133dp"
        android:layout_height="wrap_content"
        android:layout_below="@id/login"
        android:layout_marginTop="20dp"
        android:backgroundTint="@color/lakeblue"
        android:onClick="dorest"
        android:text="Reset"
        android:layout_gravity="center"
        android:textColor="#f5f5f5"
        android:textSize="17dp" />

    <TextView
        android:id="@+id/showerror"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@id/reset"
        android:layout_marginTop="40dp"
        android:padding="10dp"
        android:textAlignment="center"
        android:textColor="#f5f5f5"
        android:textSize="20dp" />
</LinearLayout>
```

Code for dashboard.xml:

```xml
<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:app="http://schemas.android.com/apk/res-auto"

    xmlns:tools="http://schemas.android.com/tools"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    tools:context=".Dasboard">

    <TextView

        android:id="@+id/textView5"

        android:layout_width="138dp"

        android:layout_height="40dp"

        android:layout_alignParentLeft="true"

        android:layout_alignParentTop="true"

        android:layout_alignParentRight="true"

        android:layout_alignParentBottom="true"

        android:layout_marginLeft="141dp"

        android:layout_marginTop="454dp"

        android:layout_marginRight="131dp"

        android:layout_marginBottom="162dp"

        android:text="Medcine"

        android:textAlignment="center"

        android:textAllCaps="true"

        android:textColor="#1432DA"

        android:textStyle="bold" />
```

```xml
<RelativeLayout

    android:layout_width="600dp"

    android:layout_height="250dp"

    android:background="@drawable/ic_wave__2_">

    <TextView

        android:id="@+id/textView"

        android:layout_width="319dp"

        android:layout_height="82dp"

        android:layout_marginLeft="49dp"

        android:layout_marginTop="21dp"

        android:layout_marginRight="44dp"

        android:layout_marginBottom="556dp"

        android:drawableRight="@drawable/ic_baseline_local_pharmacy_24"

        android:gravity="center"

        android:paddingLeft="5dp"

        android:text="Anish pharmacy"

        android:textAlignment="center"

        android:textAllCaps="true"

        android:textColor="@color/white"

        android:textSize="25dp"

        android:textStyle="bold" />

    <Button

        android:id="@+id/logout"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignParentRight="true"
```

```xml
        android:layout_alignParentBottom="true"

        android:layout_marginRight="28dp"

        android:layout_marginBottom="74dp"

        android:backgroundTint="@color/lakeblue"

        android:text="Logout" />

    <TextView

        android:id="@+id/textView2"

        android:layout_width="200dp"

        android:layout_height="52dp"

        android:layout_marginLeft="7dp"

        android:layout_marginTop="198dp"

        android:layout_marginRight="250dp"

        android:layout_marginBottom="412dp"

        android:drawableLeft="@drawable/ic_baseline_dashboard_24"

        android:gravity="center"

        android:text="Dashboard"

        android:textAllCaps="true"

        android:textStyle="bold" />

</RelativeLayout>

<ImageView

    android:id="@+id/medicine"

    android:layout_width="207dp"

    android:layout_height="241dp"

    android:layout_alignParentLeft="true"

    android:layout_alignParentTop="true"

    android:layout_alignParentRight="true"
```

```
            android:layout_alignParentBottom="true"

            android:layout_marginLeft="97dp"

            android:layout_marginTop="265dp"

            android:layout_marginRight="106dp"

            android:layout_marginBottom="225dp"

            app:srcCompat="@drawable/med" />

    </RelativeLayout>
```

Code for Medicine.xml:

```
<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:app="http://schemas.android.com/apk/res-auto"

    xmlns:tools="http://schemas.android.com/tools"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:layout_alignParentStart="true"

    android:layout_alignParentLeft="true"

    android:layout_alignParentTop="true"

    android:layout_alignParentEnd="true"

    android:layout_alignParentRight="true"

    android:layout_alignParentBottom="true"

    android:background="@drawable/gradientbackground"

    android:paddingTop="10dp"

    tools:context=".Medcine">

    <Button

        android:id="@+id/createmed"
```

```
    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignParentLeft="true"

    android:layout_alignParentTop="true"

    android:layout_alignParentRight="true"

    android:layout_alignParentBottom="true"

    android:layout_marginLeft="90dp"

    android:layout_marginTop="274dp"

    android:layout_marginRight="90dp"

    android:layout_marginBottom="304dp"

    android:background="@drawable/roundedbutton"

    android:text="Create Medcine"

    android:textAllCaps="true" />
<TextView

    android:id="@+id/textView6"

    android:layout_width="188dp"

    android:layout_height="129dp"

    android:layout_alignParentStart="true"

    android:layout_alignParentEnd="true"

    android:layout_marginStart="168dp"

    android:layout_marginEnd="55dp"

    android:gravity="center"

    android:text="Medicine"

    android:textAlignment="0"

    android:textAllCaps="true"

    android:textColor="@color/white"
```

```
        android:textSize="30dp"

        android:textStyle="bold" />

    <ImageView

        android:id="@+id/imageView5"

        android:layout_width="134dp"

        android:layout_height="118dp"

        android:layout_alignParentStart="true"

        android:layout_alignParentEnd="true"

        android:layout_marginStart="27dp"

        android:layout_marginEnd="250dp"

        app:srcCompat="@drawable/med" />

    <Button

        android:id="@+id/managemed"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_alignParentLeft="true"

        android:layout_alignParentTop="true"

        android:layout_alignParentRight="true"

        android:layout_alignParentBottom="true"

        android:layout_marginLeft="90dp"

        android:layout_marginTop="506dp"

        android:layout_marginRight="90dp"

        android:layout_marginBottom="87dp"

        android:background="@drawable/roundedbutton"

        android:text="Manage Medicine"

        android:textAllCaps="true" />
```

```
</RelativeLayout>
```

Code for CreateMedicine.xml:

```xml
<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:app="http://schemas.android.com/apk/res-auto"

    xmlns:tools="http://schemas.android.com/tools"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    tools:context=".Managemedicine"

    android:orientation="vertical"

    android:background="@drawable/gradientbackground">

    <TextView

        android:layout_width="400dp"

        android:layout_height="wrap_content"

        android:text="Create Medicine"

        android:textSize="30dp"

        android:textAllCaps="true"

        android:textColor="@color/white"

        android:layout_marginTop="25dp"

        android:textAlignment="center"

        android:gravity="center"/>

    <LinearLayout

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_gravity="center"/>
```

```xml
    <EditText

        android:id="@+id/M_name"

        android:layout_width="334dp"

        android:layout_height="wrap_content"

        android:layout_marginTop="100dp"

        android:layout_marginLeft="50dp"

        android:layout_marginRight="50dp"

        android:hint="Medicine Name"

        android:layout_gravity="center"

        android:padding="10dp"

        android:background="@drawable/roundedtext"

        android:textSize="17dp" />

    <EditText

        android:id="@+id/G_name"

        android:layout_width="334dp"

        android:layout_height="wrap_content"

        android:layout_below="@id/M_name"

        android:layout_marginTop="20dp"

        android:layout_marginLeft="50dp"

        android:layout_marginRight="50dp"

        android:layout_gravity="center"

        android:background="@drawable/roundedtext"

        android:hint="Generic Name"

        android:padding="10dp"

        android:textSize="17dp" />

    <EditText
```

```
        android:id="@+id/packing"

        android:layout_width="334dp"

        android:layout_height="wrap_content"

        android:layout_below="@id/G_name"

        android:layout_marginTop="20dp"

        android:layout_marginLeft="50dp"

        android:layout_marginRight="50dp"

        android:layout_gravity="center"

        android:background="@drawable/roundedtext"

        android:hint="Packing"

        android:padding="10dp"

        android:textSize="17dp" />

    <EditText

        android:id="@+id/supplier"

        android:layout_width="334dp"

        android:layout_height="wrap_content"

        android:layout_below="@id/packing"

        android:layout_marginTop="20dp"

        android:layout_marginLeft="50dp"

        android:layout_marginRight="50dp"

        android:layout_gravity="center"

        android:background="@drawable/roundedtext"

        android:hint="Supplier"

        android:padding="10dp"

        android:textSize="17dp" />

    <Button
```

```
            android:id="@+id/insertmed"

            android:layout_width="133dp"

            android:layout_height="wrap_content"

            android:layout_below="@id/supplier"

            android:layout_marginTop="20dp"

            android:layout_gravity="center"

            android:backgroundTint="@color/lakeblue"

            android:text="Insert"

            android:textColor="#f5f5f5"

            android:textSize="17dp" />

    </LinearLayout>
```

Code for ManageMedicine.xml:

```
<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:app="http://schemas.android.com/apk/res-auto"

    xmlns:tools="http://schemas.android.com/tools"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    tools:context=".Managemedicine"

    android:orientation="vertical"

    android:background="@drawable/gradientbackground">

    <TextView

        android:layout_width="400dp"

        android:layout_height="wrap_content"

        android:text="Manage Medicine"
```

```xml
        android:textSize="30dp"

        android:textAllCaps="true"

        android:textColor="@color/white"

        android:layout_marginTop="25dp"

        android:textAlignment="center"

        android:gravity="center"/>

    <LinearLayout

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_gravity="center"/>

    <EditText

        android:id="@+id/M_name"

        android:layout_width="334dp"

        android:layout_height="wrap_content"

        android:layout_marginTop="100dp"

        android:layout_marginLeft="50dp"

        android:layout_marginRight="50dp"

        android:hint="Medicine Name"

        android:layout_gravity="center"

        android:padding="10dp"

        android:background="@drawable/roundedtext"

        android:textSize="17dp" />

    <EditText

        android:id="@+id/G_name"

        android:layout_width="334dp"

        android:layout_height="wrap_content"
```

```
        android:layout_below="@id/M_name"

        android:layout_marginTop="20dp"

        android:layout_marginLeft="50dp"

        android:layout_marginRight="50dp"

        android:layout_gravity="center"

        android:background="@drawable/roundedtext"

        android:hint="Generic Name"

        android:padding="10dp"

        android:textSize="17dp" />

    <EditText

        android:id="@+id/packing"

        android:layout_width="334dp"

        android:layout_height="wrap_content"

        android:layout_below="@id/G_name"

        android:layout_marginTop="20dp"

        android:layout_marginLeft="50dp"

        android:layout_marginRight="50dp"

        android:layout_gravity="center"

        android:background="@drawable/roundedtext"

        android:hint="Packing"

        android:padding="10dp"

        android:textSize="17dp" />

    <EditText

        android:id="@+id/supplier"

        android:layout_width="334dp"

        android:layout_height="wrap_content"
```

```
            android:layout_below="@id/packing"

            android:layout_marginTop="20dp"

            android:layout_marginLeft="50dp"

            android:layout_marginRight="50dp"

            android:layout_gravity="center"

            android:background="@drawable/roundedtext"

            android:hint="Supplier"

            android:padding="10dp"

            android:textSize="17dp" />

        <Button

            android:id="@+id/updatemed"

            android:layout_width="133dp"

            android:layout_height="wrap_content"

            android:layout_below="@id/supplier"

            android:layout_marginTop="20dp"

            android:layout_gravity="center"

            android:backgroundTint="@color/lakeblue"

            android:text="Update"

            android:textColor="#f5f5f5"

            android:textSize="17dp" />

        <Button

            android:id="@+id/delmed"

            android:layout_width="133dp"

            android:layout_height="wrap_content"

            android:layout_below="@id/updatemed"

            android:layout_marginTop="20dp"
```

```xml
        android:layout_gravity="center"

        android:backgroundTint="@color/lakeblue"

        android:text="Delete"

        android:textColor="#f5f5f5"

        android:textSize="17dp" />

    <Button

        android:id="@+id/viewmed"

        android:layout_width="133dp"

        android:layout_height="wrap_content"

        android:layout_below="@id/delmed"

        android:layout_marginTop="20dp"

        android:layout_gravity="center"

        android:backgroundTint="@color/lakeblue"

        android:text="VIEW ALL"

        android:textColor="#f5f5f5"

        android:textSize="17dp" />

</LinearLayout>
```

Code for MainActivity.java:

```java
package com.example.anishpharmacy;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.graphics.Color;

import android.os.Bundle;

import android.view.View;

import android.view.inputmethod.EditorInfo;
```

```java
import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

    EditText user, pass;

    Button btn,rest;

    TextView error;


    @Override
    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        user = (EditText) findViewById(R.id.username);

        pass = (EditText) findViewById(R.id.password);

        btn = (Button) findViewById(R.id.login);

        rest = (Button) findViewById(R.id.reset);

        error = (TextView)findViewById(R.id.showerror);

        error.setVisibility(View.INVISIBLE);

    }
    public void dothis(View v) {

        String u = user.getText().toString();

        String p = pass.getText().toString();

        String check_email = "admin";

        String check_pass = "admin";
```

```java
if (u.equals("")) {

    error.setVisibility(View.VISIBLE);

    error.setBackgroundColor(Color.parseColor("#D50000"));

    error.setText("Please enter your Username");

}

else if (p.equals("")) {

    error.setVisibility(View.VISIBLE);

    error.setBackgroundColor(Color.parseColor("#D50000"));

    error.setText("Please enter your password");

    pass.onEditorAction(EditorInfo.IME_ACTION_DONE);

}

else if (!u.equals(check_email) && !p.equals(check_pass)) {

    error.setVisibility(View.VISIBLE);

    error.setBackgroundColor(Color.parseColor("#D50000"));

    error.setText("Invalid Email or Invalid Password");

    user.onEditorAction(EditorInfo.IME_ACTION_DONE);

    pass.onEditorAction(EditorInfo.IME_ACTION_DONE);

}

else if (!u.equals(check_email)) {

    error.setVisibility(View.VISIBLE);

    error.setText("Invalid Email");

    error.setBackgroundColor(Color.parseColor("#D50000"));

}

else if (!p.equals(check_pass)) {

    error.setVisibility(View.VISIBLE);

    error.setBackgroundColor(Color.parseColor("#D50000"));
```

```java
        error.setText("Invalid Password");

        pass.onEditorAction(EditorInfo.IME_ACTION_DONE);

    }

    else if (u.equals(check_email) && p.equals(check_pass)) {

        error.setVisibility(View.VISIBLE);

        error.setBackgroundColor(Color.parseColor("#D50000"));

        error.setText("Login Successfully !!");

        btn.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                Intent i = new Intent(MainActivity.this,Dasboard.class);

                startActivity(i);

            }

        });

        error.setBackgroundColor(Color.parseColor("#00C853"));

        pass.onEditorAction(EditorInfo.IME_ACTION_DONE);

        setTitle("Welcome: " + u);

    }

}

public  void dorest(View v){

    user.setText("");

    pass.setText("");

    pass.clearFocus();

}

}
```

Code for Dashboard.java:

```java
package com.example.anishpharmacy;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.ImageView;

public class Dasboard extends AppCompatActivity {

    Button but1;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_dasboard);

        ImageView imageView2= findViewById(R.id.medicine);

        but1=findViewById(R.id.logout);

        imageView2.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                Intent w = new Intent(Dasboard.this,Medcine.class);

                startActivity(w);

            }

        });

        but1.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                Intent i = new Intent(Dasboard.this,MainActivity.class);
```

```
            startActivity(i);

        }

    });

}

}
```

Code for Medicine.java:

```java
package com.example.anishpharmacy;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

public class Medcine extends AppCompatActivity {

    Button bt1,bt2;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_medcine);

        bt1=findViewById(R.id.createmed);

        bt2=findViewById(R.id.managemed);

        bt1.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                Intent i = new Intent(Medcine.this,Createmedcine.class);

                startActivity(i);

            }
```

```java
    });

    bt2.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View view) {

            Intent q = new Intent(Medcine.this,Managemedicine.class);

            startActivity(q);

        }

    });



    }

}
```

Code for CreateMedicine.java:

```java
package com.example.anishpharmacy;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class Createmedcine extends AppCompatActivity {

    EditText M_name,G_name,packing,supplier;

    Button insert;

    DBhelper DB;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);
```

```java
setContentView(R.layout.activity_createmedcine);

M_name=findViewById(R.id.M_name);

G_name=findViewById(R.id.G_name);

packing=findViewById(R.id.packing);

supplier=findViewById(R.id.supplier);

insert=findViewById(R.id.insertmed);

DB = new DBhelper(this);

insert.setOnClickListener(new View.OnClickListener() {

  @Override

  public void onClick(View view) {

    String M_nameTXT=M_name.getText().toString();

    String G_nameTXT=G_name.getText().toString();

    String packingTXT=packing.getText().toString();

    String supplierTXT=supplier.getText().toString();

    Boolean checkinsertdata =
DB.insertuserdata(M_nameTXT,G_nameTXT,packingTXT,supplierTXT);

      if(checkinsertdata==true)

        Toast.makeText(Createmedcine.this,"insert
successfull",Toast.LENGTH_SHORT).show();

      else

      Toast.makeText(Createmedcine.this,"insert
failed",Toast.LENGTH_SHORT).show();

    }

  });

  }

}
```

Code for ManageMedicine.java:

```java
package com.example.anishpharmacy;

import androidx.appcompat.app.AlertDialog;

import androidx.appcompat.app.AppCompatActivity

import android.database.Cursor;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class Managemedicine extends AppCompatActivity {

    EditText M_name,G_name,packing,supplier;

    Button update,delete,view;

    DBhelper DB;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_managemedicine);

        M_name=findViewById(R.id.M_name);

        G_name=findViewById(R.id.G_name);

        packing=findViewById(R.id.packing);

        supplier=findViewById(R.id.supplier);

        update=findViewById(R.id.updatemed);

        delete=findViewById(R.id.delmed);

        view=findViewById(R.id.viewmed);
```

```java
    DB = new DBhelper(this);

    update.setOnClickListener(new View.OnClickListener() {

      @Override

      public void onClick(View view) {

        String M_nameTXT=M_name.getText().toString();

        String G_nameTXT=G_name.getText().toString();

        String packingTXT=packing.getText().toString();

        String supplierTXT=supplier.getText().toString();

        Boolean checkupdatedata =
DB.updateuserdata(M_nameTXT,G_nameTXT,packingTXT,supplierTXT);

        if(checkupdatedata==true)

          Toast.makeText(Managemedicine.this,"Update
successfull",Toast.LENGTH_SHORT).show();

        else

          Toast.makeText(Managemedicine.this,"Update
failed",Toast.LENGTH_SHORT).show();

      }

    });

    delete.setOnClickListener(new View.OnClickListener() {

      @Override

      public void onClick(View view) {

        String M_nameTXT=M_name.getText().toString();

        Boolean checkdelete = DB.deleteuserdata(M_nameTXT);

        if(checkdelete==true)

          Toast.makeText(Managemedicine.this,"Delete
successfull",Toast.LENGTH_SHORT).show();

        else
```

```java
              Toast.makeText(Managemedicine.this,"Delete
  failed",Toast.LENGTH_SHORT).show();

          }

      });

      view.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View view) {

          Cursor res= DB.getdata();

          if(res.getCount()==0) {

            Toast.makeText(Managemedicine.this,"No Entry
  Exists",Toast.LENGTH_SHORT).show();

              return;

          }

          StringBuffer buffer = new StringBuffer();

          while (res.moveToNext()) {

            buffer.append("Medicine name :"+res.getString(0)+"\n");

            buffer.append("Generic name :"+res.getString(1)+"\n");

            buffer.append("packing :"+res.getString(2)+"\n");

            buffer.append("supplier :"+res.getString(3)+"\n\n");

          }

          AlertDialog.Builder builder = new AlertDialog.Builder(Managemedicine.this);

          builder.setCancelable(true);

          builder.setTitle("Medcine entries");

          builder.setMessage(buffer.toString());

          builder.show();

        }
```

```java
    });

  }

}
```

Code for DBhelper.java:

```java
package com.example.anishpharmacy;

import android.content.ContentValues;

import android.content.Context;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.database.sqlite.SQLiteOpenHelper;

import androidx.annotation.Nullable;

public class DBhelper extends SQLiteOpenHelper {

  public DBhelper(Context context) {

    super(context, "Pharmacy.db", null, 1);

  }

  @Override

  public void onCreate(SQLiteDatabase DB) {

    DB.execSQL("create table medicine(M_name TEXT primary key,G_name
TEXT,packing TEXT,supplier TEXT)");

  }

  @Override

  public void onUpgrade(SQLiteDatabase DB, int i, int i1) {

    DB.execSQL("drop table  if exists medicine ");

  }

  public Boolean insertuserdata(String M_name,String G_name,String packing,String
supplier) {
```

```java
        SQLiteDatabase DB = this.getWritableDatabase();

        ContentValues contentValues = new ContentValues();

        contentValues.put("M_name", M_name);

        contentValues.put("G_name", G_name);

        contentValues.put("packing", packing);

        contentValues.put("supplier", supplier);

        long result = DB.insert("medicine", null, contentValues);

        if (result == -1) {

            return true;

        } else {

            return true;

        }

    }

    public Boolean updateuserdata(String M_name,String G_name,String packing,String supplier) {

        SQLiteDatabase DB = this.getWritableDatabase();

        ContentValues contentValues = new ContentValues();

        contentValues.put("G_name", G_name);

        contentValues.put("packing", packing);

        contentValues.put("supplier", supplier);

        Cursor cursor = DB.rawQuery("Select * from medicine where M_name = ?", new String[]{M_name});

        if (cursor.getCount() > 0) {

            long result = DB.update("medicine", contentValues, "M_name=?", new String[]{M_name});

            if (result == -1) {

                return false;
```

```java
        } else {

            return true;

        }

    } else {

      return false;

    }

  }

    public Boolean deleteuserdata(String M_name)

    {

       SQLiteDatabase DB = this.getWritableDatabase();

       Cursor cursor = DB.rawQuery("Select * from medicine where M_name =
?",new String[] {M_name});

        if(cursor.getCount()>0) {

          long result = DB.delete("medicine",  "M_name=?", new String[]{M_name});

          if (result == -1) {

             return false;

          } else {

             return true;

          }

       }else{

          return  false;

       }

  }

  public Cursor getdata()

  {

     SQLiteDatabase DB = this.getWritableDatabase();

     Cursor cursor = DB.rawQuery("Select * from medicine ", null);

     return cursor;

  }

}
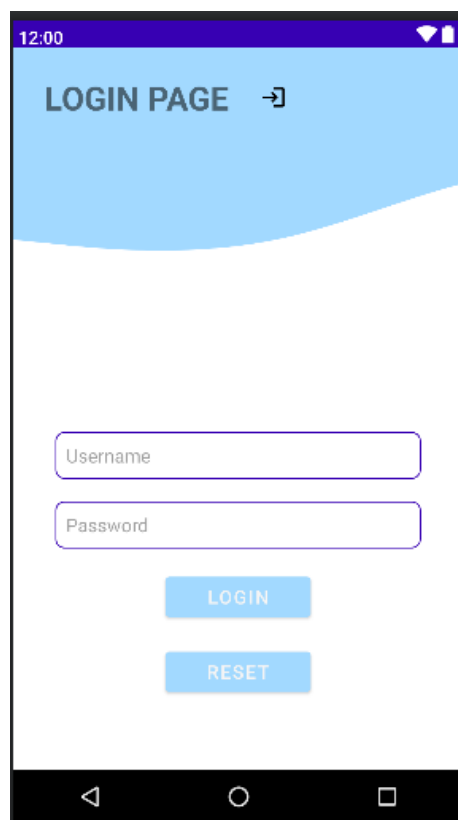```

# CHAPTER 3

# RESULT AND ANALYSIS



Fig 3.1: The App view of the Main Activity page

# CHAPTER 4

# CONCLUSION AND FUTURE WORK

## 4.1 CONCLUSION

The development of this project is not an easy process as it involves lot of challenges in different stages of software analysis, design, coding and testing.
Having understood the requirements properly and implementing the solutions as per the expectations as brought to the closure of the project.

## 4.2 FUTURE ENHANCEMENT

In future we can add up the customer functionalities where a customer can view the doctor's name and medicine details. We can also add the receipt of the medicine prescribed and taken, these can be done using crud functionalities

# CHAPTER  5

# REFERENCES

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