

MEDEASY

MAKE YOUR LIFE EASY

Report of Major Project Submitted for Partial Fulfilment of The Requirement for The Degree of Master in Computer Application.

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Certificate

The report of the Project titled **MEDEASY, MAKE YOUR LIFE EASY** submitted by **Souma Mukherjee**, Roll No. - MCA2015/021 and **Payel Das**, Roll No.-MCA2015/042 of MCA 6th Semester of 3rd year has been prepared under my supervision for the partial fulfilment of the requirements for MCA degree in Maulana AbulKalam Azad University of Technology. The report is here by forwarded.

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We are also indebted to the other teachers for their unconditional help and inspiration.

(Souma Mukherjee)

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Year: 3rd

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RCC INSTITUTE OF INFORMATION TECHNOLOGY



CERTIFICATE OF ACCEPTANCE

The report of the Project titled **MEDEASY, MAKE YOUR LIFE EASY** is a major project which is application based software using Android, submitted by **Souma Mukherjee**, Roll No. - MCA2015/021 and **Payel Das**, Roll No.-MCA2015/042 of MCA 6th Semester of 3rd year has been prepared under my supervision for the partial fulfilment of the requirements for MCA degree in Maulana Abul Kalam Azad University of Technology. The report is here by forwarded.

Name of the Examiner(s)

Signature with date

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ABSTRACT:

“MedEasy” is a project developed to provide a easy way to deliver medicines to the customers. This app will also give you some tips about health according to your needs.

INTRODUCTION:

There is always a need for medicine in our life. Modern medical care, including surgery and medical treatment for many diseases, is not possible without the use of medicines. Unavailability of a medicine at a moment means that someone may not get prompt, adequate care and that may be lead to life risk of a person.

Therefore “MedEasy” has been developed to contact instantly to the nearby medical shops to collect the medicine when it is required via internet, so that the patient can be cured in time before it’s too late.

MODULES:

This project has to module “Seller” and “Customer”. These two module has the same user log in and the registration page.

SELLER:

Seller gets login by filling the registration form. Seller will get a unique username and password to enter into the site. Seller can add the medicine that is available to their shop and can also check the orders in their shop.

CUSTOMER:

Customer also gets a log in form and they are also provided a username and password to enter into the site. They can search the medicine they need and can place order that also. They will track their orders.

PROBLEM ANALYSIS

What contribution would the project make?

This is an area of information technology where automation of each and every activity is gaining importance. This app will lead to the automation of medicine sell and buy process.

ADVANTAGES:

- Users are updated with the health tips.
- It saves user time in search of medicines from different medical shops.
- It excludes the need of human efforts for searching the needed medicine that means it saves time.
- Cost-effective.
- Increased efficiency.
- Decrease overhead.
- Accurate.

DISADVANTAGES:

- It requires an internet connection.
- It requires large database.

REVIEW OF LITERATURE

- Get the basic knowledge of android from www.w3school.com.
- Learn how to install Android Studio.
- Gain some knowledge about XML language.
- Server script language is used with android for database handling.
- JSON (JavaScript Object Notation), light weighted data interchangeformat, is used with this application to fetch data easily from the server.
- The Splash screen is used in this application to give a better overview of the application.
- From one click the user can get all the information about health-related tips.
- “Worth app: It will save many lives.”.

PRODUCT PERSPECTIVE:

This application is designed for the search of the medical shop. There should be an internet connection for searching the shop and the medicine that is available on it. This interface is very easy and can be maintained by anyone. This familiar GUI will make the user feel more comfortable navigating and viewing the data on our system. Once our application is installed and the location access permission is given then it will help the users a lot.

HARDWARE AND SOFTWARE SPECIFICATION

HARDWARE USED:

- Processor: Intel core i5
- RAM: 4GB
- Hard Disk: 1TB

SOFTWARE SPECIFICATION:

- Operating System : Windows 10
- Front – End : Android Studio
- Back – End : MySQL

LANGUAGE USED:

- Front – End : Android
- Back – End : PHP

FEASIBILITY STUDY:

After analysing the scope of the project, the feasibility study is very essential to be held. It is basically keeping the following points in mind.

ECONOMIC FEASIBILITY:

Economic analysis is most frequently used for evaluation of the effectiveness of the system. More commonly known as cost/benefit analysis the procedure is to determine the benefit and saving that are expected from a system and compare them with costs, decisions is made to design and implement the system

BEHAVIOURAL FEASIBILITY:

People are inherently resistant to change and computer has been known to facilitate changes. An estimate should be made of how strong the user is likely to move towards the development of computerized system. These are various levels of users in order to ensure proper authentication and authorization and security of sensitive data of the organization.

Technically feasible:

This application is very much technically feasible. This application is very much concerned with specifying equipment and the website will successfully satisfy almost all the user's requirements. The technical need for this system may vary considerably but might include:

- a. The facility to provide medicine to the nearest shop.
- b. Response time under certain conditions.
- c. Ability to process a request at a particular speed.

MedEasy - The Pharmacy App

State of Art:

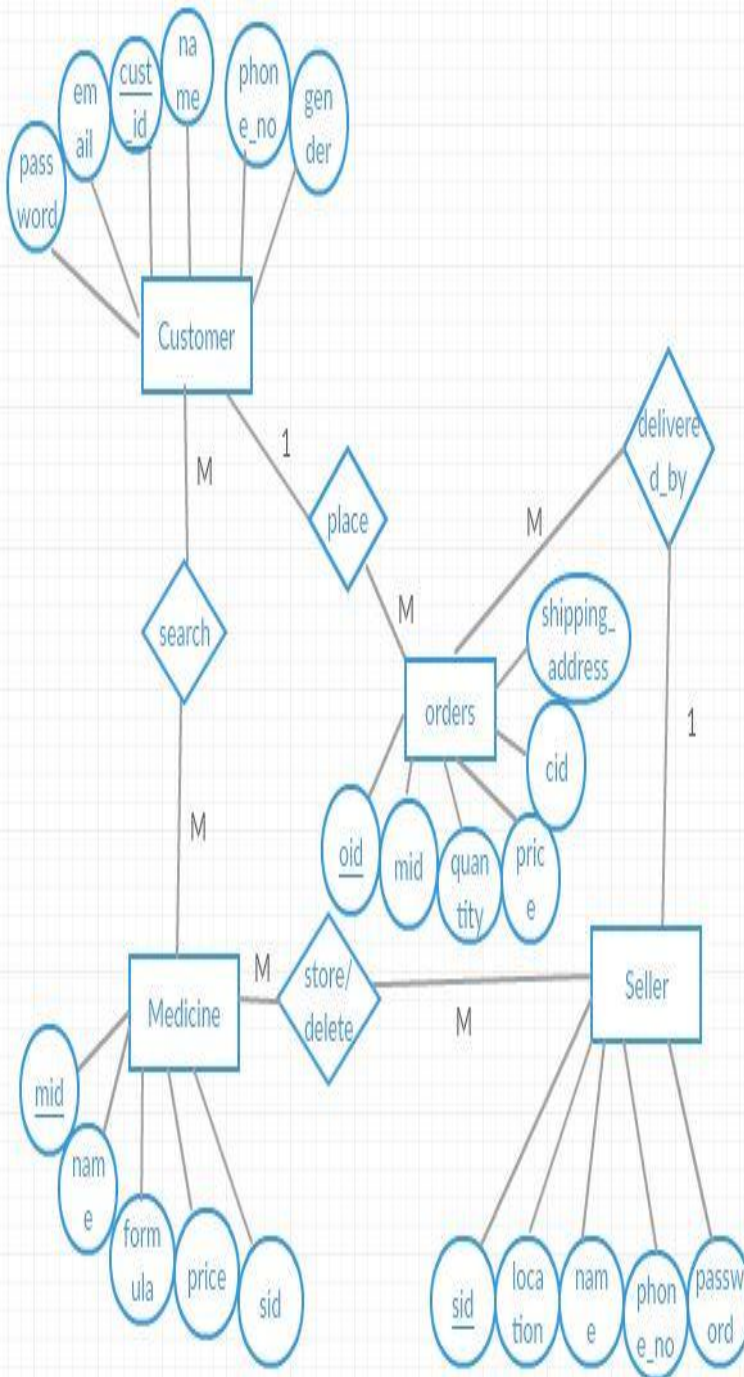
The project is very much within the state of art since the project is a WINDOWS based; it uses very modern and common technique.

Beside it is very much modern and user friendly. It also works as middleware i.e. only in between the user and the file. So, it is completely a state of art project.

Touching User's mind:

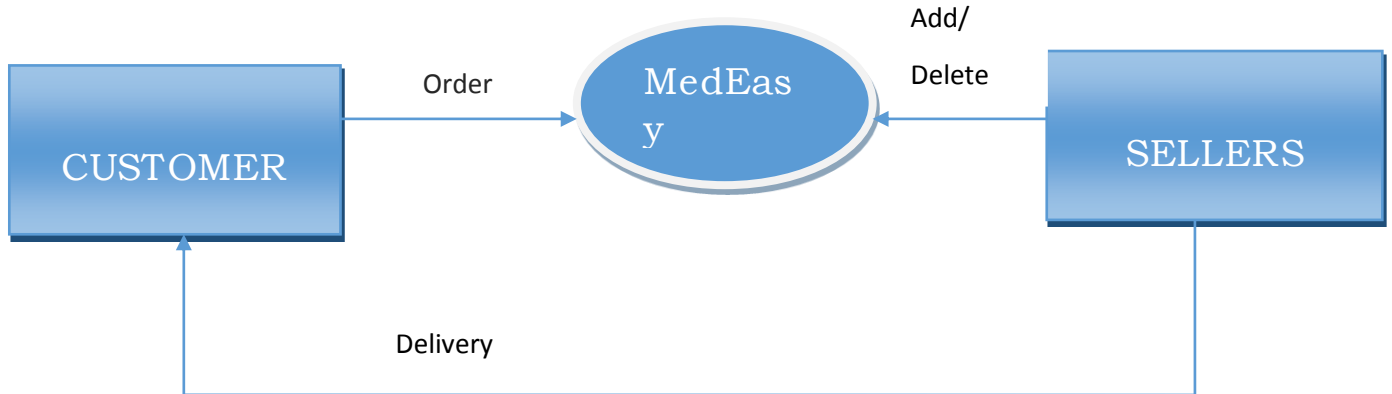
The basic features of this software are simplicity, easily understandable, easily applicable. If this type of software is a new experience for the user is certainly going to be like it.

ERD (ENTITY RELATIONSHIP DIAGRAM)

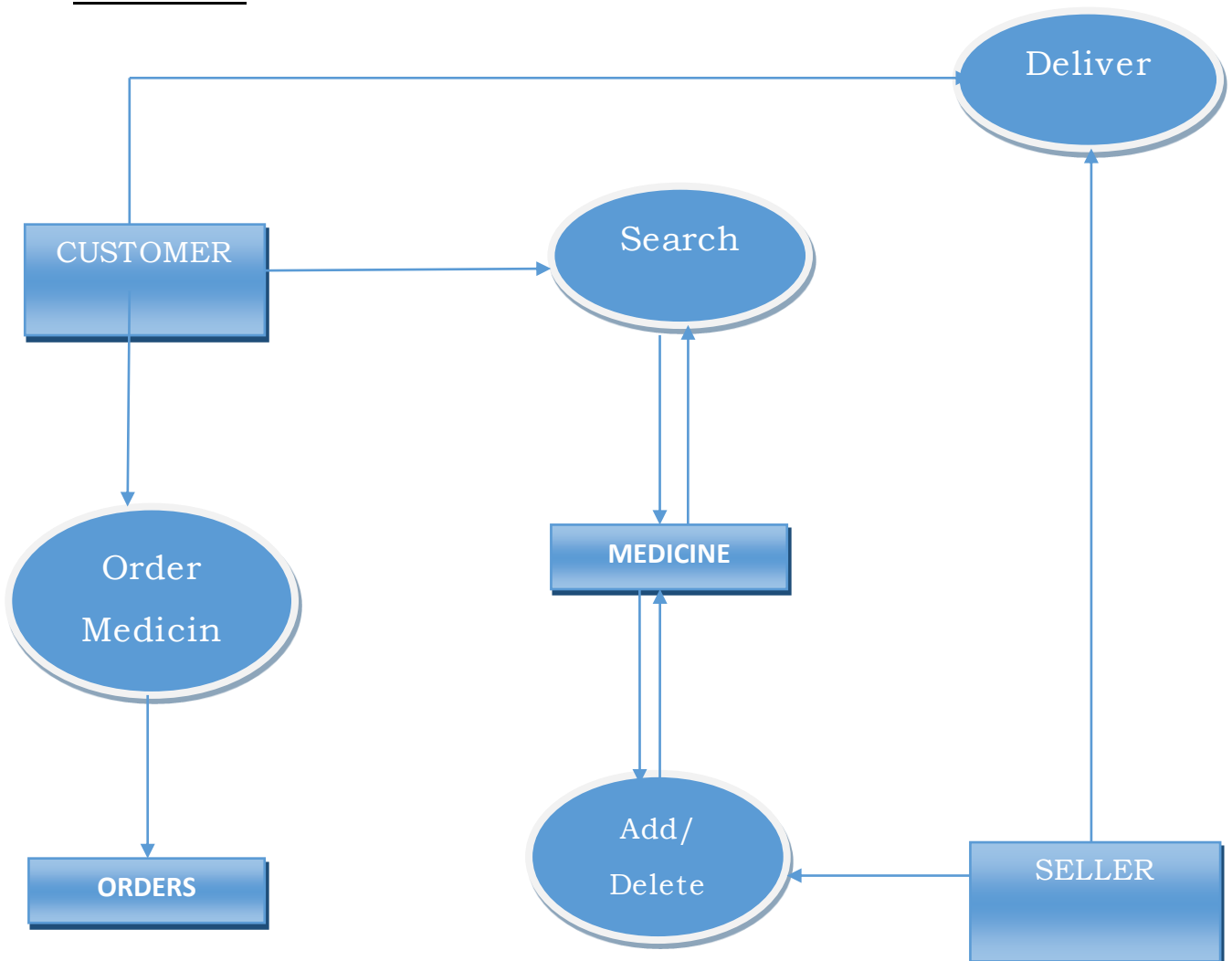


DFD (DATA FLOW DIAGRAM):

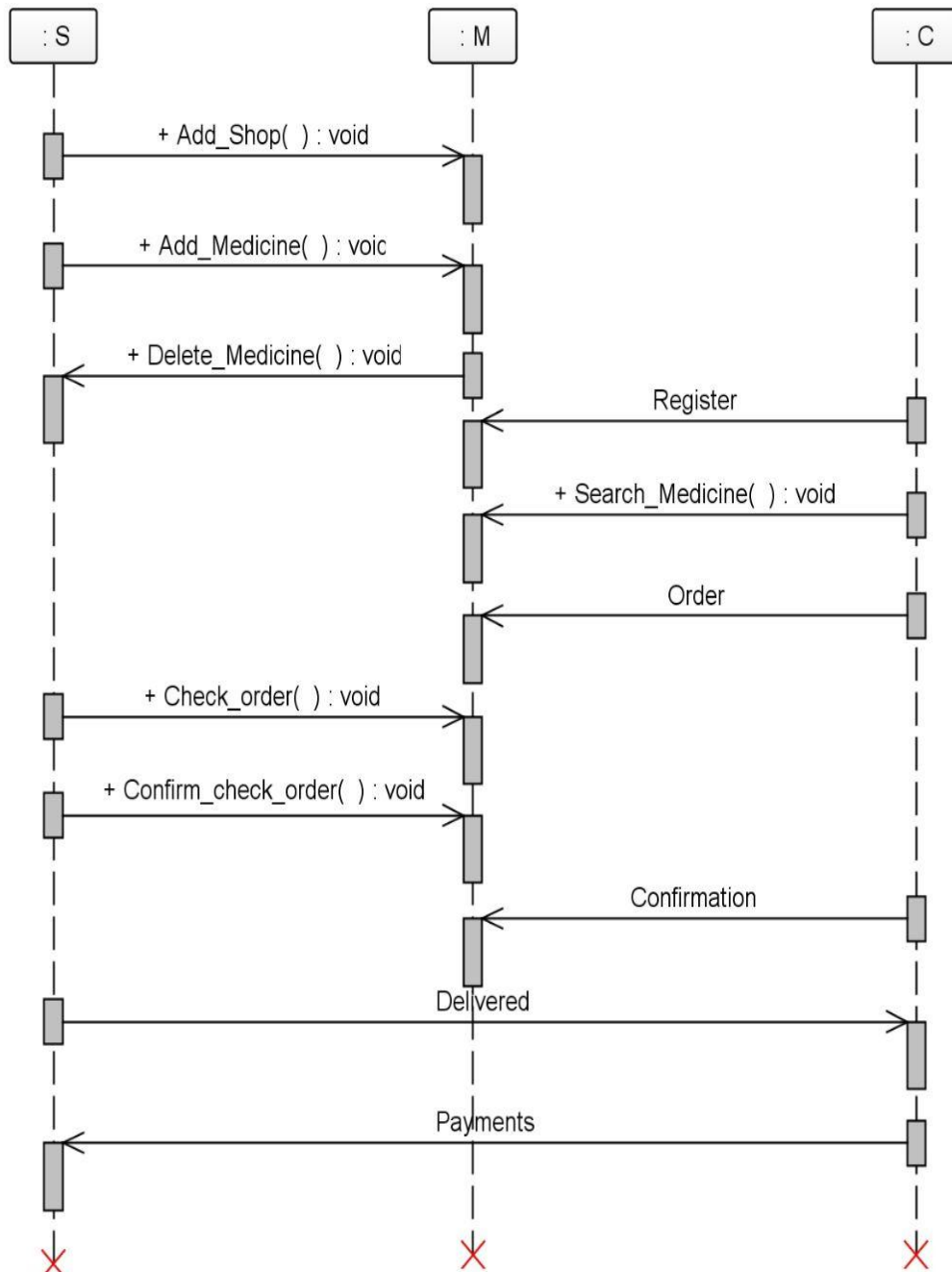
Level 0:-



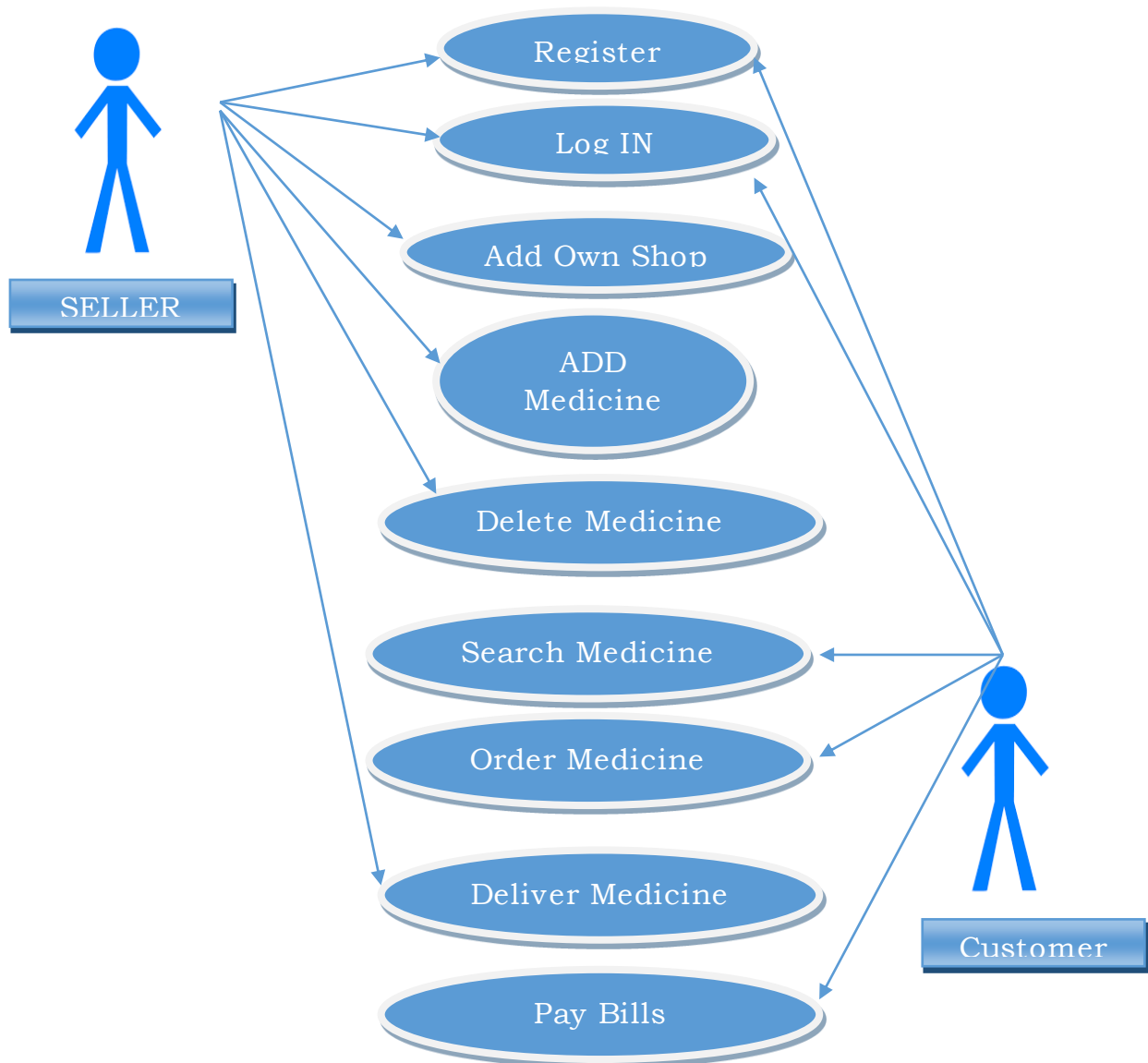
Level 1:-



SEQUENCE DIAGRAM:



USE CASE DIAGRAM:

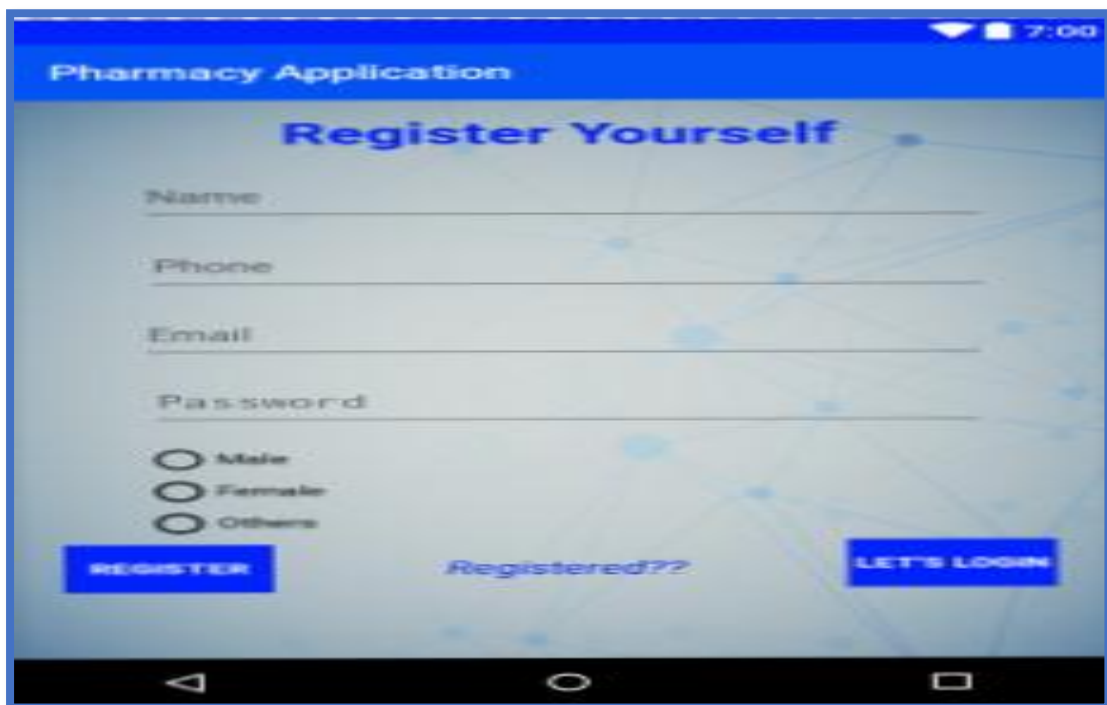


SCREENSHOTS:

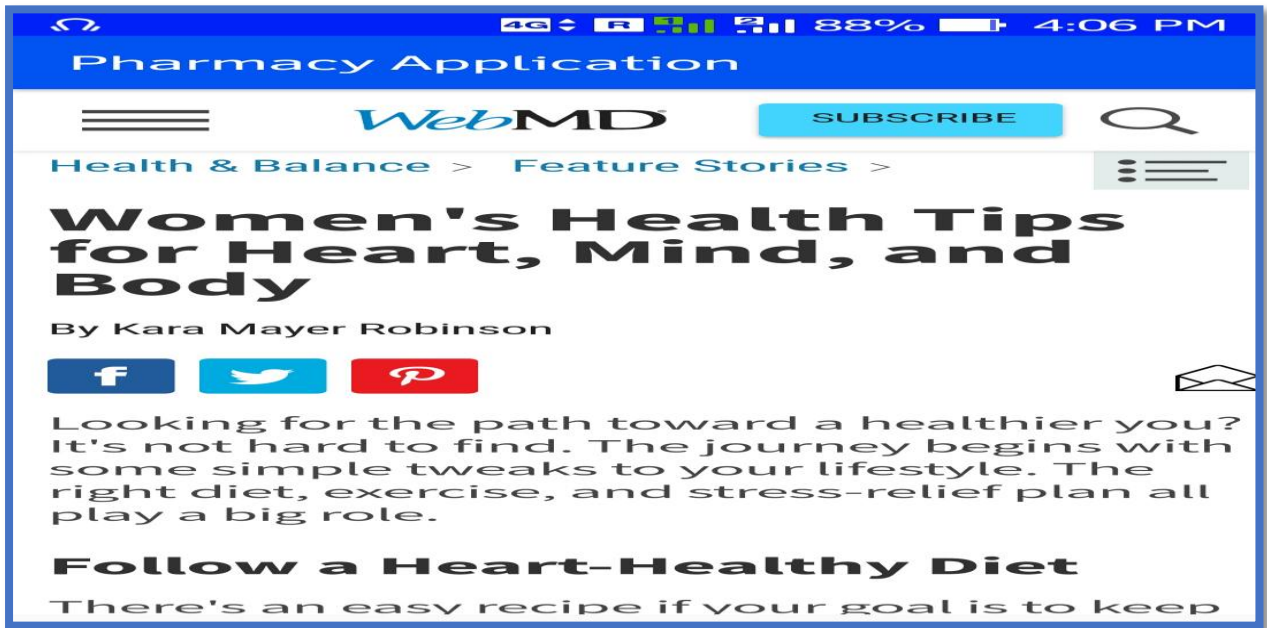
LOGIN PAGE:



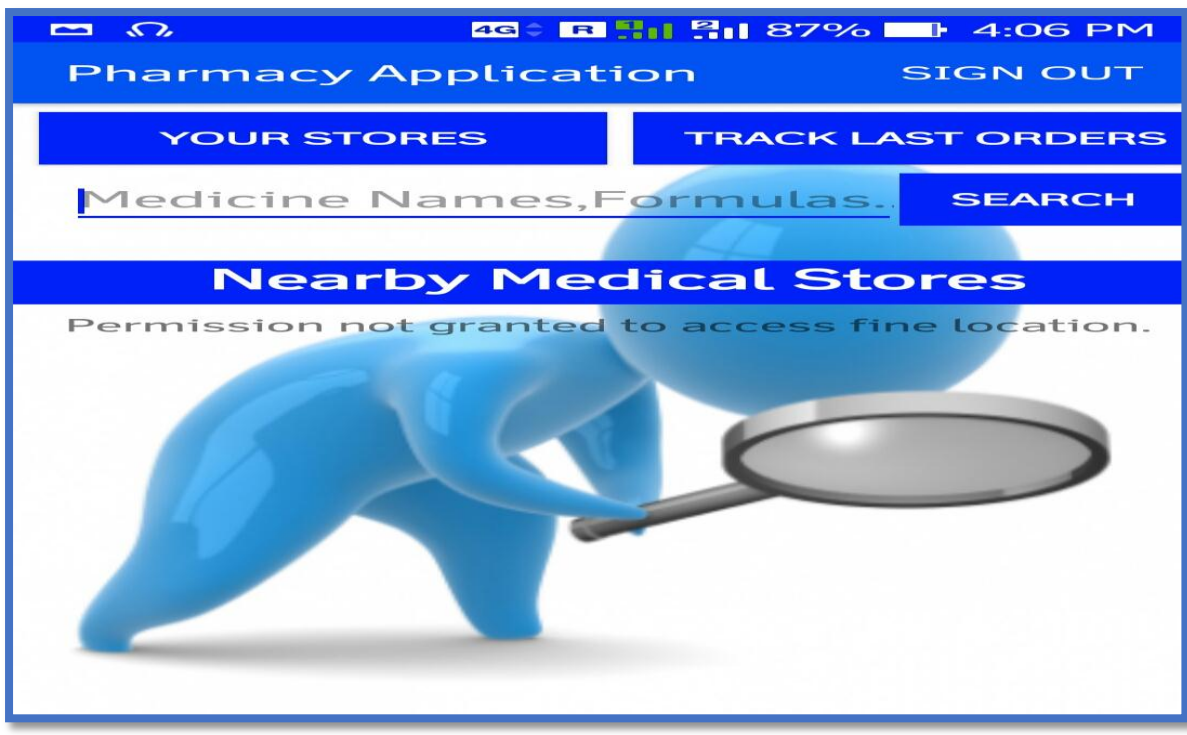
REGISTRATION PAGE:



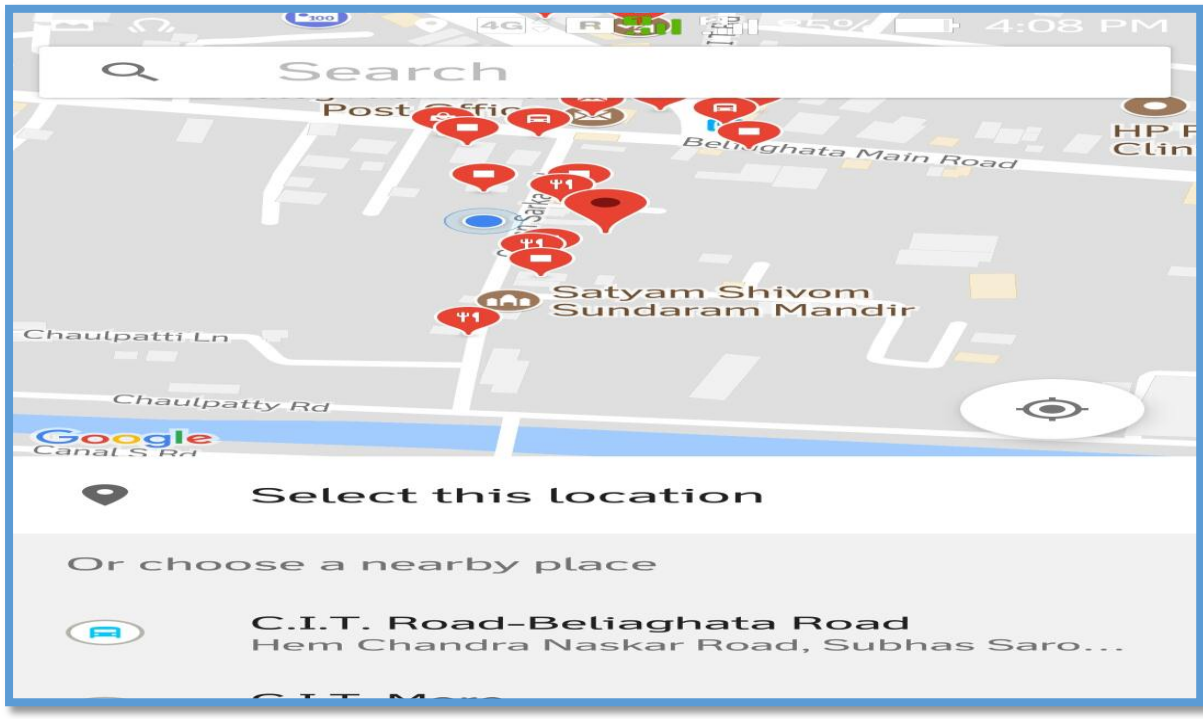
HEALTH PAGE:



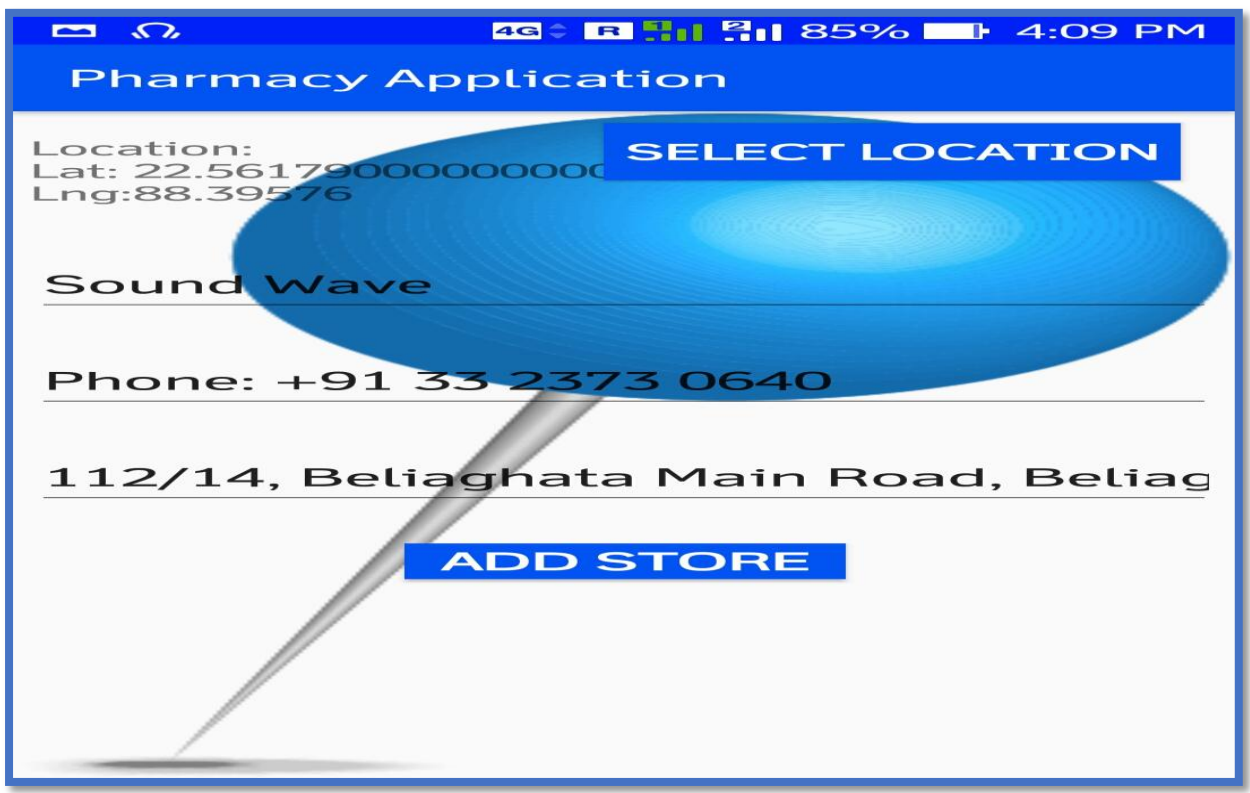
SEARCH PAGE:-



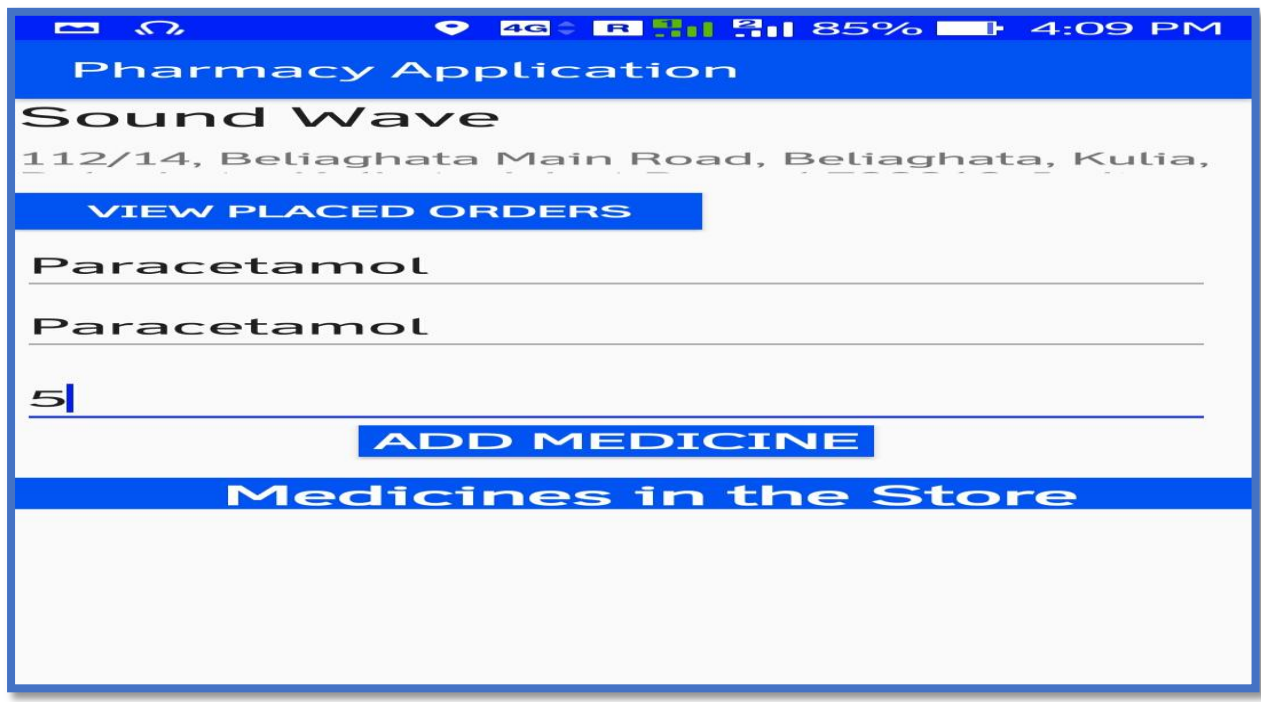
Select location for medical shop:



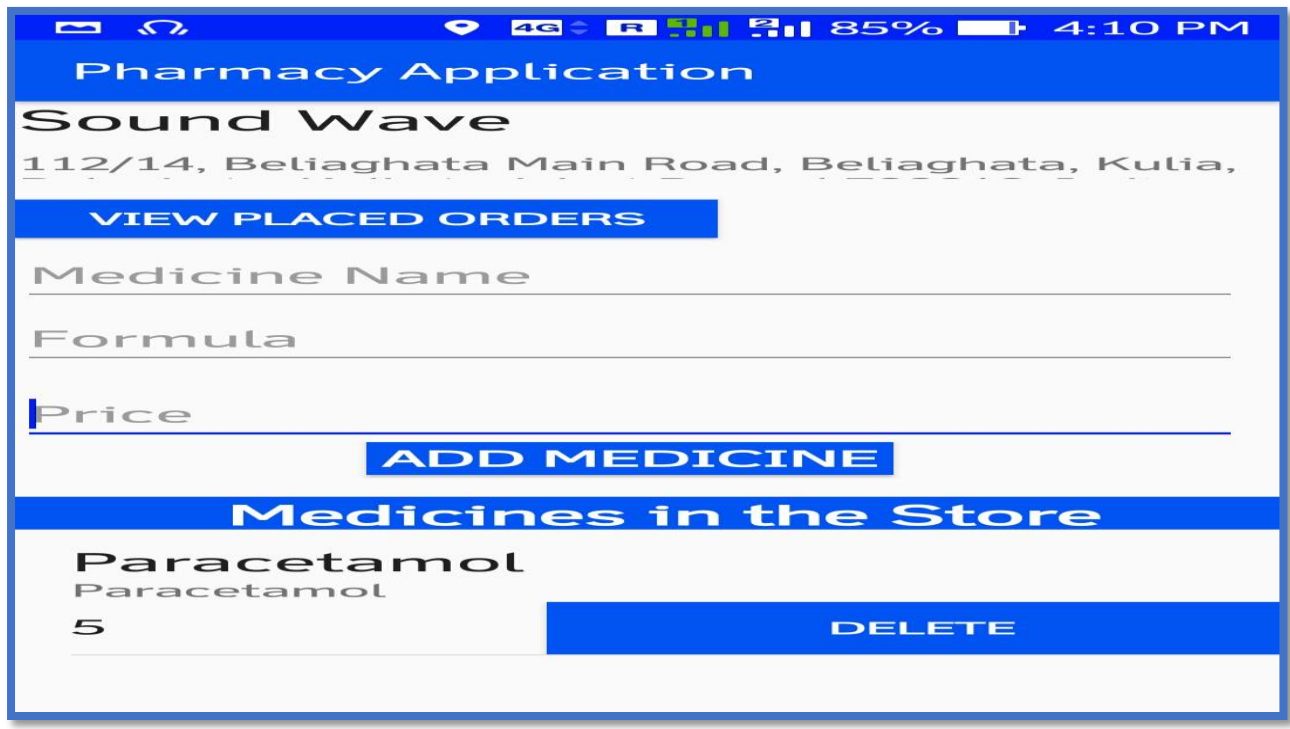
Add Shop:



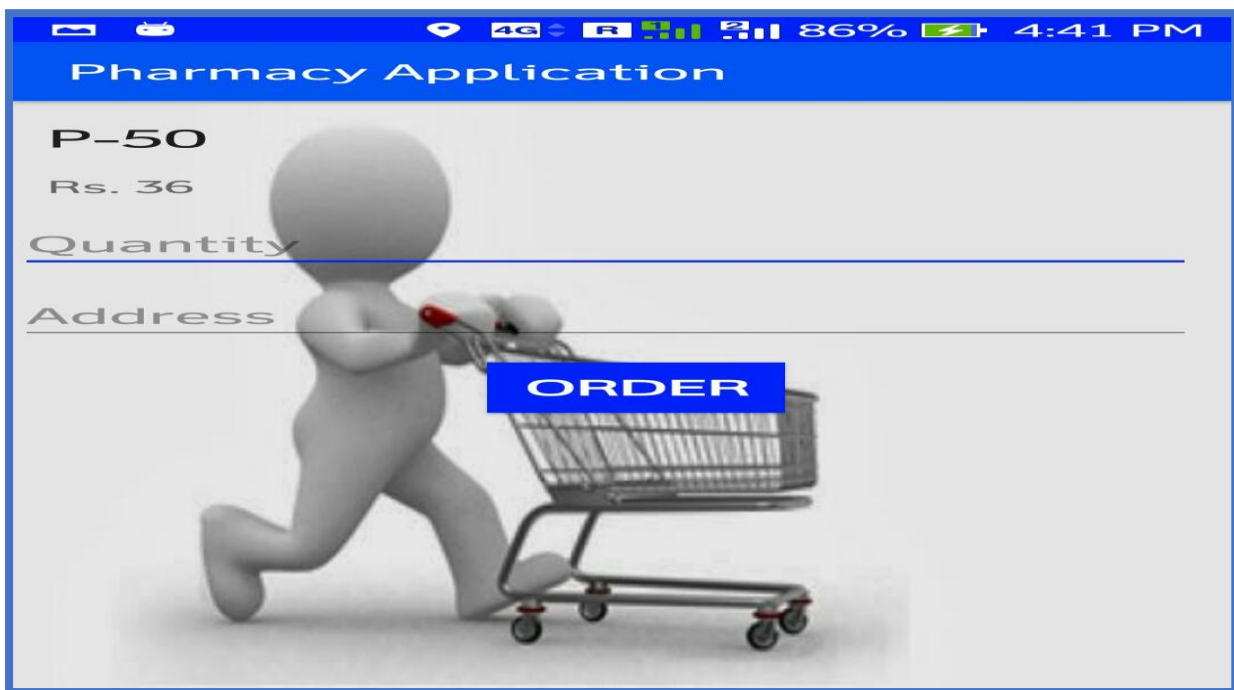
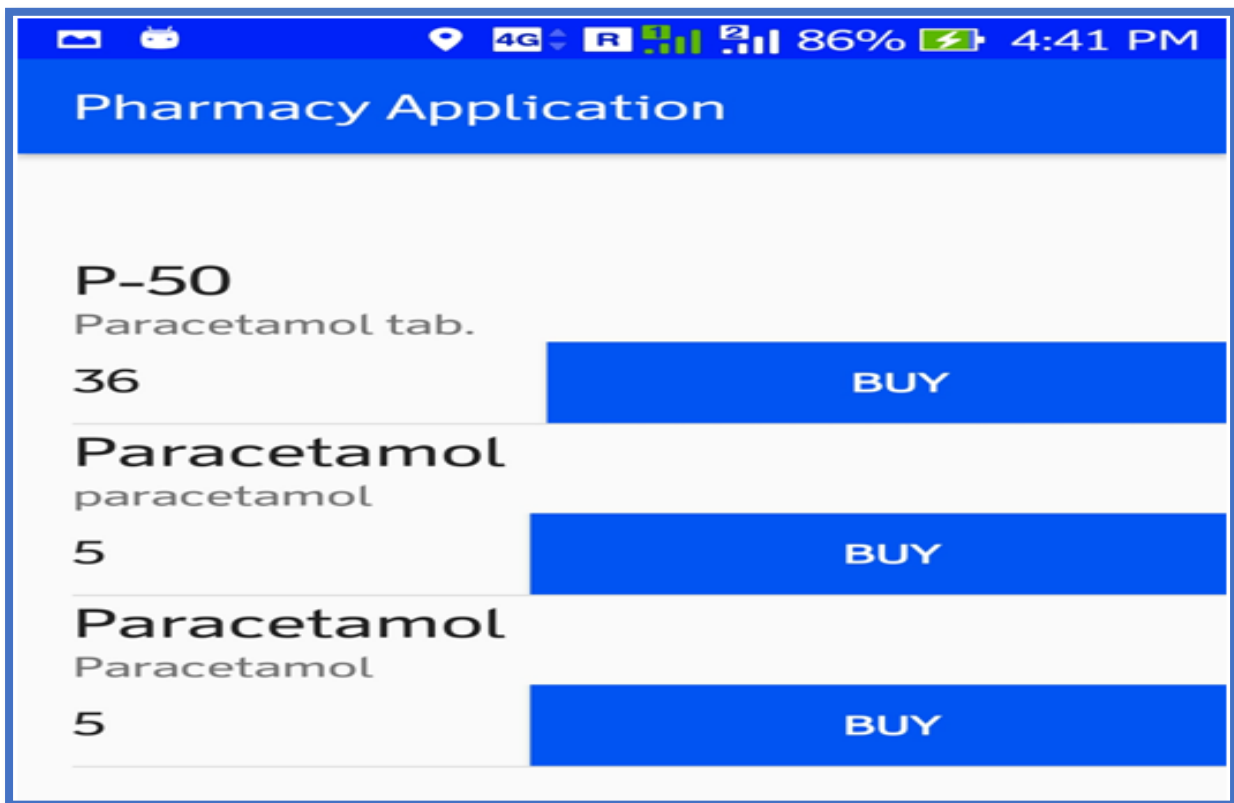
Add Medicine to Shop:



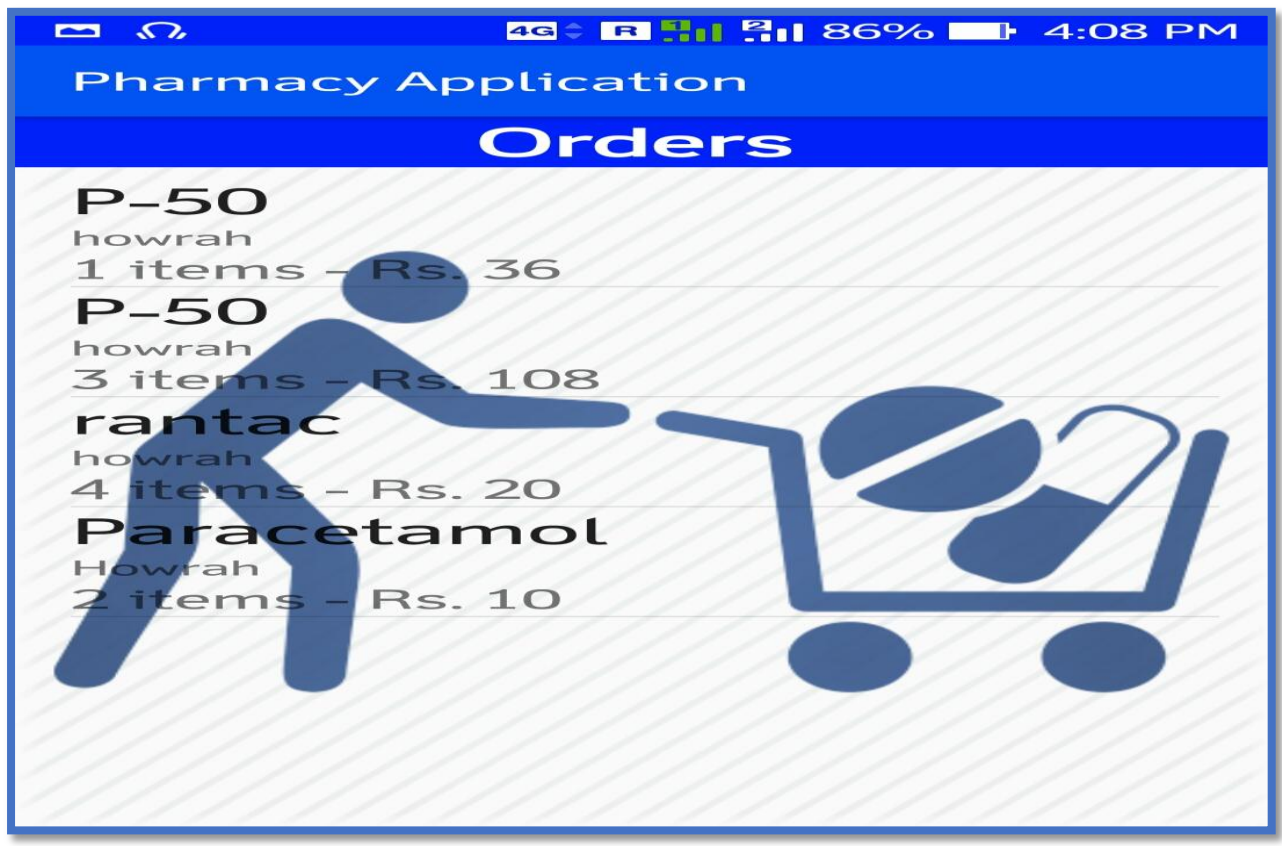
Delete Medicine form Shop:



Place Order:



Track Order:

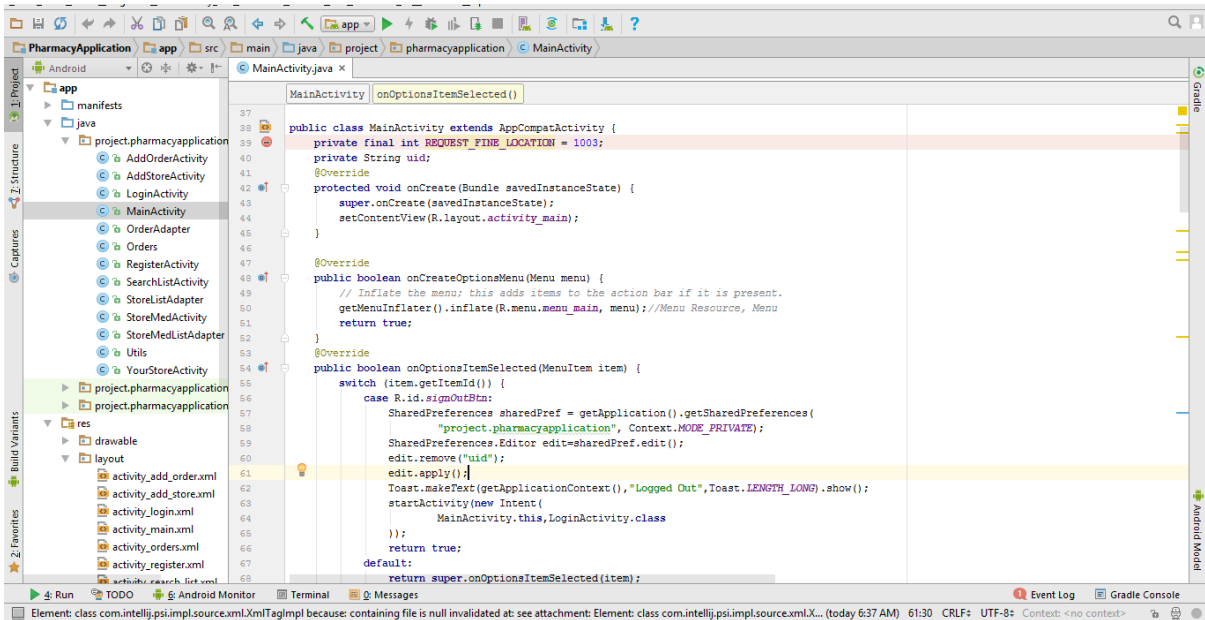


List of Stores of one owner:



SAMPLE CODE:

Main Activity:-

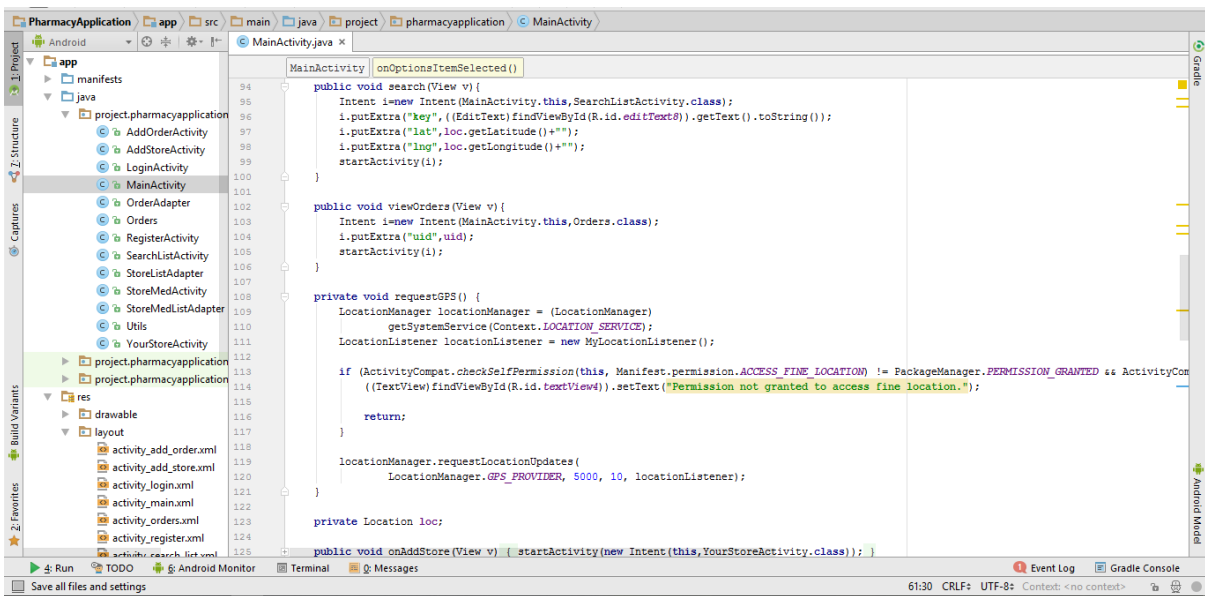


```
public class MainActivity extends AppCompatActivity {
    private final int REQUEST_FINE_LOCATION = 1003;
    private String uid;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.menu_main, menu); //Menu Resource, Menu
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        switch (item.getItemId()) {
            case R.id.signOutBtn:
                SharedPreferences sharedPref = getApplication().getSharedPreferences(
                    "project.pharmacyapplication", Context.MODE_PRIVATE);
                SharedPreferences.Editor edit=sharedPref.edit();
                edit.remove("uid");
                edit.apply();
                Toast.makeText(getApplicationContext(),"Logged Out",Toast.LENGTH_LONG).show();
                startActivity(new Intent(
                    MainActivity.this, LoginActivity.class
                ));
                return true;
            default:
                return super.onOptionsItemSelected(item);
        }
    }
}
```



```
public void search(View v){
    Intent i=new Intent(MainActivity.this,SearchListActivity.class);
    i.putExtra("key",((EditText)findViewById(R.id.editText8)).getText().toString());
    i.putExtra("lat",loc.getLatitude()+"");
    i.putExtra("lng",loc.getLongitude()+"");
    startActivity(i);
}

public void viewOrders(View v){
    Intent i=new Intent(MainActivity.this,Orders.class);
    i.putExtra("uid",uid);
    startActivity(i);
}

private void requestGPS() {
    LocationManager locationManager = (LocationManager)
        getSystemService(Context.LOCATION_SERVICE);
    LocationListener locationListener = new MyLocationListener();

    if (ActivityCompat.checkSelfPermission(this, Manifest.permission.ACCESS_FINE_LOCATION) != PackageManager.PERMISSION_GRANTED && ActivityCompatCom
        ((TextView)findViewById(R.id.textView4)).setText("Permission not granted to access fine location.");
    }

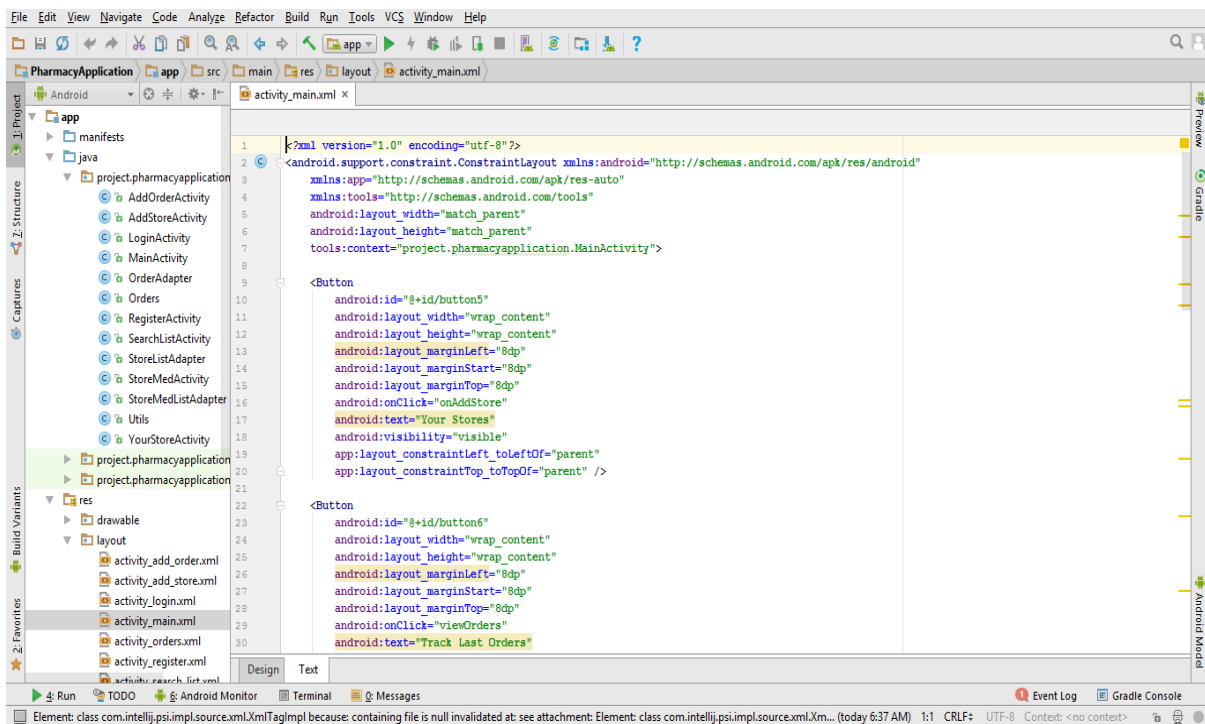
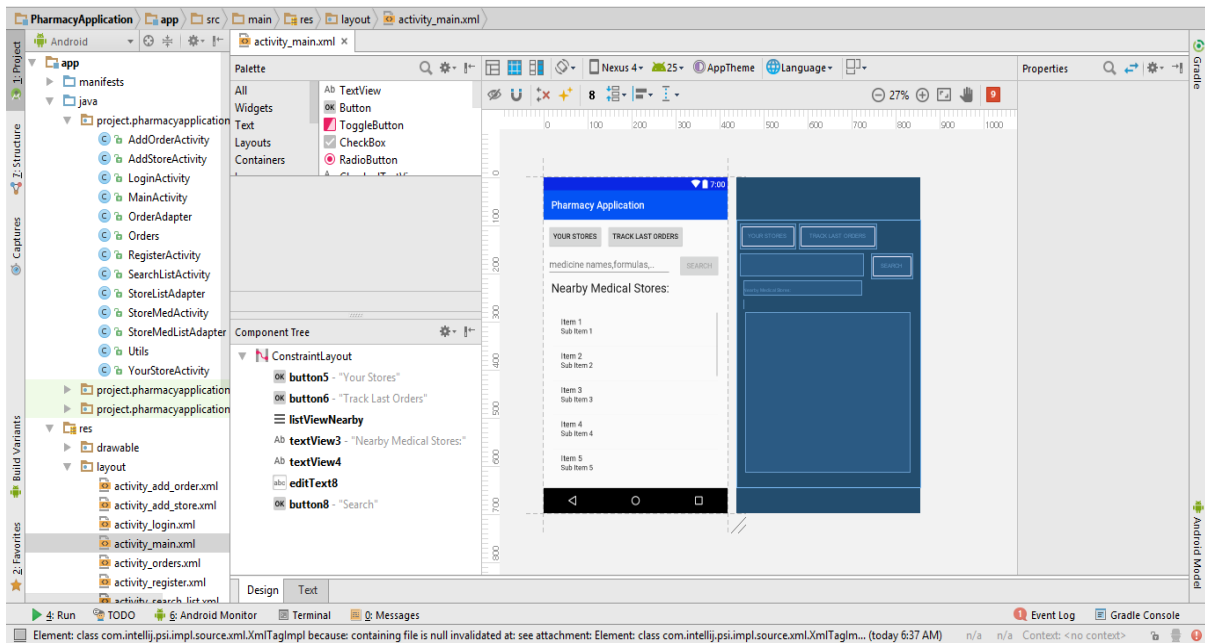
    return;
}

locationManager.requestLocationUpdates(
    LocationManager.GPS_PROVIDER, 5000, 10, locationListener);
}

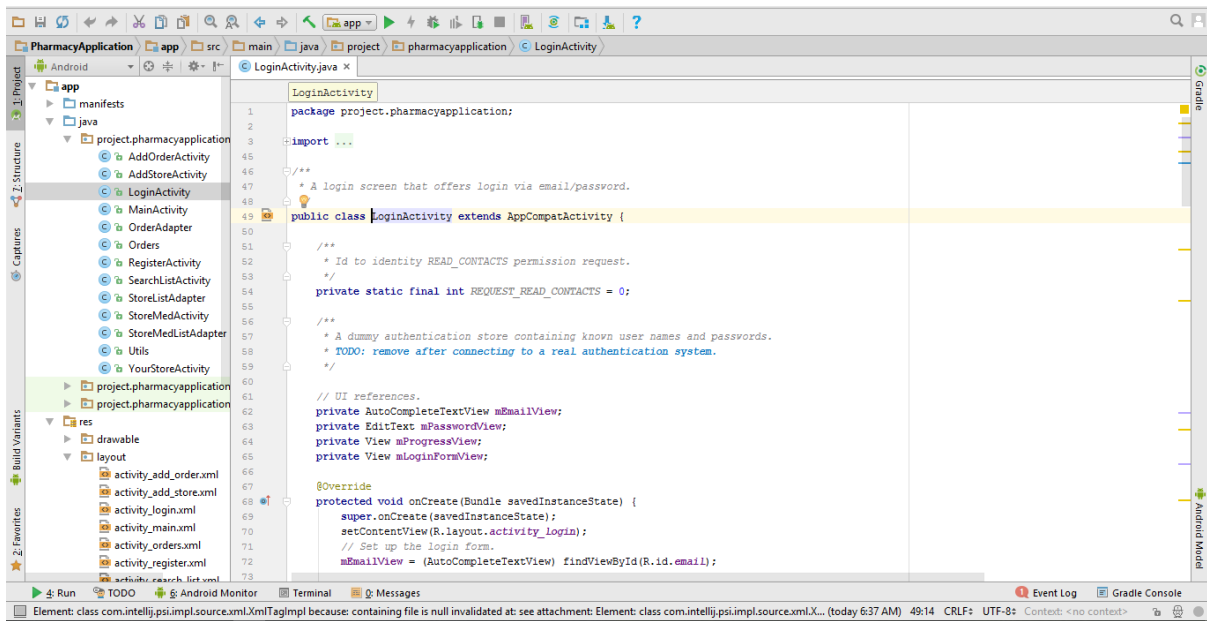
private Location loc;

public void onAddStore(View v) { startActivity(new Intent(this,YourStoreActivity.class)); }
```

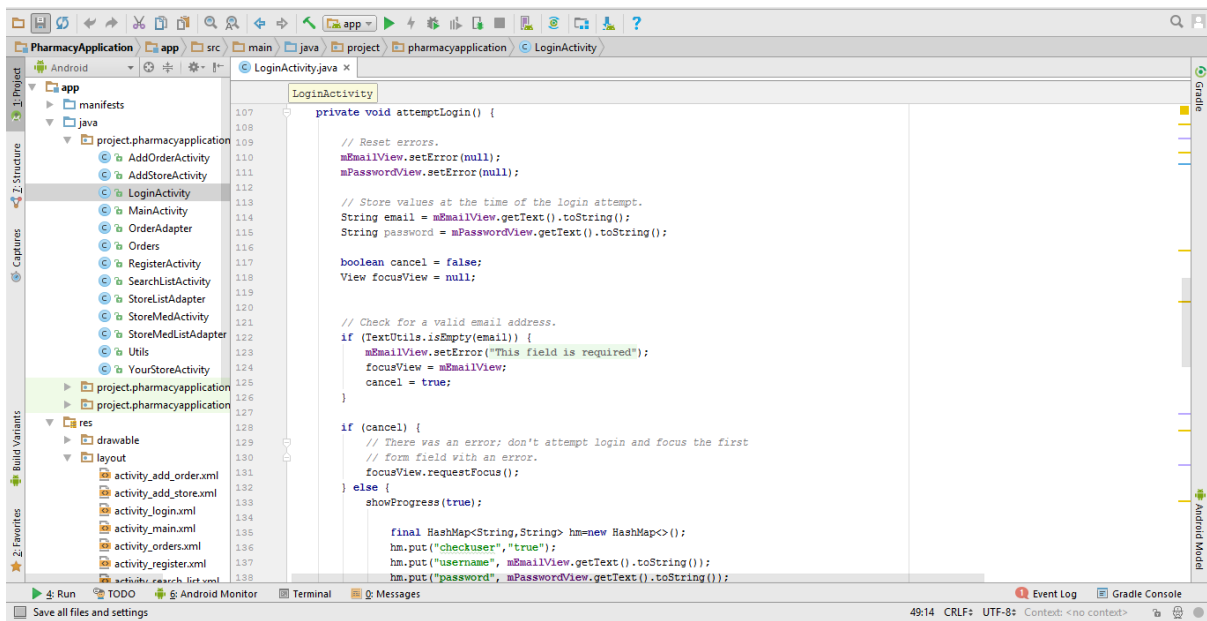
Main Activity XML:-



Log IN Activity:-



```
1 package project.pharmacyapplication;
2
3 import ...
4
5 /**
6  * A login screen that offers login via email/password.
7  */
8 public class LoginActivity extends AppCompatActivity {
9
10    /**
11     * Id to identity READ_CONTACTS permission request.
12     */
13    private static final int REQUEST_READ_CONTACTS = 0;
14
15    /**
16     * A dummy authentication store containing known user names and passwords.
17     * TODO: remove after connecting to a real authentication system.
18     */
19
20    // UI references.
21    private autoCompleteTextView mEmailView;
22    private EditText mPasswordView;
23    private View mProgressBar;
24    private View mLoginFormView;
25
26    @Override
27    protected void onCreate(Bundle savedInstanceState) {
28        super.onCreate(savedInstanceState);
29        setContentView(R.layout.activity_login);
30        // Set up the login form.
31        mEmailView = (AutoCompleteTextView) findViewById(R.id.email);
```



```
107 private void attemptLogin() {
108
109    // Reset errors.
110    mEmailView.setError(null);
111    mPasswordView.setError(null);
112
113    // Store values at the time of the login attempt.
114    String email = mEmailView.getText().toString();
115    String password = mPasswordView.getText().toString();
116
117    boolean cancel = false;
118    View focusView = null;
119
120    // Check for a valid email address.
121    if (TextUtils.isEmpty(email)) {
122        mEmailView.setError("This field is required");
123        focusView = mEmailView;
124        cancel = true;
125    }
126
127    if (cancel) {
128        // There was an error; don't attempt login and focus the first
129        // form field with an error.
130        focusView.requestFocus();
131    } else {
132        showProgress(true);
133
134        final HashMap<String, String> hm=new HashMap<>();
135        hm.put("checkboxuser", "true");
136        hm.put("username", mEmailView.getText().toString());
137        hm.put("password", mPasswordView.getText().toString());
```


Log In XML:-

```
1 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
2   xmlns:tools="http://schemas.android.com/tools"
3   android:id="@+id/loginLayout"
4   android:layout_width="match_parent"
5   android:layout_height="match_parent"
6   android:background="@drawable/register6"
7   android:gravity="center_horizontal"
8   android:orientation="vertical"
9   android:paddingBottom="16dp"
10  android:paddingLeft="16dp"
11  android:paddingRight="16dp"
12  android:paddingTop="16dp"
13  tools:context="project.pharmacyapplication.LoginActivity">
14
15  <!-- Login progress -->
16  <ProgressBar
17    android:id="@+id/login_progress"
18    style="@android:attr/progressBarStyleLarge"
19    android:layout_width="wrap_content"
20    android:layout_height="wrap_content"
21    android:layout_marginBottom="8dp"
22    android:visibility="gone" />
23
24  <ScrollView
25    android:id="@+id/login_form"
26    android:layout_width="match_parent"
27    android:layout_height="match_parent">
28
29    <LinearLayout
```

```
49
50
51  <EditText
52    android:id="@+id/password"
53    android:layout_width="match_parent"
54    android:layout_height="wrap_content"
55    android:layout_below="@+id/email"
56    android:layout_centerHorizontal="true"
57    android:layout_marginTop="30dp"
58    android:hint="Password"
59    android:imeActionId="@+id/login"
60    android:imeActionLabel="Sign in"
61    android:imeOptions="actionUnspecified"
62    android:inputType="textPassword"
63    android:maxLines="1"
64    android:singleLine="true" />
65
66  <android.support.design.widget.TextInputLayout
67    android:id="@+id/textInputLayout"
68    android:layout_width="match_parent"
69    android:layout_height="wrap_content">
70
71  </android.support.design.widget.TextInputLayout>
72
73  <android.support.design.widget.TextInputLayout
74    android:layout_width="match_parent"
75    android:layout_height="wrap_content">
76
77  </android.support.design.widget.TextInputLayout>
78  <Button
79    android:id="@+id/email_sign_in_button"
```

Register Activity:-

```

1 package project.pharmacyapplication;
2
3 import ...
4
5 public class RegisterActivity extends AppCompatActivity {
6
7     @Override
8     protected void onCreate(Bundle savedInstanceState) {
9         super.onCreate(savedInstanceState);
10        setContentView(R.layout.activity_register);
11    }
12
13    public void onRegisterAction(View v) {
14        final HashMap<String,String> hm=new HashMap<>();
15        hm.put("adduser","true");
16        hm.put("name", ((EditText)findViewById(R.id.editText)).getText().toString());
17        hm.put("email", ((EditText)findViewById(R.id.editText2)).getText().toString());
18        hm.put("password", ((EditText)findViewById(R.id.editText3)).getText().toString());
19        hm.put("phone", ((EditText)findViewById(R.id.editText4)).getText().toString());
20        hm.put("sex", ((RadioButton)findViewById(R.id.radioButton3)).isChecked()? "1":
21        ((RadioButton)findViewById(R.id.radioButton2)).isChecked()? "0": ((Button)findViewById(R.id.button)).setEnabled(false);
22        new Thread(Runnable() -> {
23            final String response=Utils.performPostCall("http://altcode.in/ms700010/api.php",hm);
24            try {
25                JSONObject json=new JSONObject(response);
26                final String name=json.getString("name"),phone=json.getString("phone"),uid=json.getString("id"),email=json.getString("email");
27                runOnUiThread() -> {
28                    SharedPreferences sharedPref = getApplication().getSharedPreferences(
29                        "project.pharmacyapplication", Context.MODE_PRIVATE);
30                    SharedPreferences.Editor edit=sharedPref.edit();
31                    edit.putString("name",name);
32                }
33            } catch (JSONException e) {
34                System.out.println(response);
35                runOnUiThread() -> {
36                    Toast.makeText(getApplicationContext(), response.substring(2), Toast.LENGTH_LONG).show();
37                    ((Button)findViewById(R.id.button)).setEnabled(true);
38                }
39            }
40        }).start();
41    }
42 }
    
```

```

40 ((Button)findViewById(R.id.button)).setEnabled(false);
41 new Thread(Runnable() -> {
42     final String response=Utils.performPostCall("http://altcode.in/ms700010/api.php",hm);
43     try {
44         JSONObject json=new JSONObject(response);
45         final String name=json.getString("name"),phone=json.getString("phone"),uid=json.getString("id"),email=json.getString("email");
46         runOnUiThread() -> {
47             SharedPreferences sharedPref = getApplication().getSharedPreferences(
48                 "project.pharmacyapplication", Context.MODE_PRIVATE);
49             SharedPreferences.Editor edit=sharedPref.edit();
50             edit.putString("name",name);
51             edit.putString("phone",phone);
52             edit.putString("uid",uid);
53             edit.putString("email",email);
54             edit.putString("sex",sex);
55             edit.apply();
56         }
57         startActivity(new Intent(RegisterActivity.this,MainActivity.class));
58     } catch (JSONException e) {
59         System.out.println(response);
60         runOnUiThread() -> {
61             Toast.makeText(getApplicationContext(), response.substring(2), Toast.LENGTH_LONG).show();
62             ((Button)findViewById(R.id.button)).setEnabled(true);
63         }
64     }
65 }
66 }).start();
67 }
    
```

Register XML:-

```

1 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
2     xmlns:app="http://schemas.android.com/apk/res-auto"
3     xmlns:tools="http://schemas.android.com/tools"
4     android:id="@+id/registerLayout"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     android:background="@drawable/resistergrey"
8     tools:context="project.pharmacyapplication.RegisterActivity">
9
10
11
12     <TextView
13         android:id="@+id/textView"
14         android:layout_width="wrap_content"
15         android:layout_height="wrap_content"
16         android:layout_marginTop="16dp"
17         android:text="Register Yourself!"
18         android:textAppearance="@style/TextAppearance.AppCompat.Headline"
19         android:textColor="@color/colorPrimaryDark"
20         android:textSize="30dp"
21         android:textStyle="bold"
22         app:layout_constraintLeft_toLeftOf="parent"
23         app:layout_constraintRight_toRightOf="parent"
24         app:layout_constraintTop_toTopOf="parent" />
25
26     <EditText
27         android:id="@+id/editText"
28         android:layout_width="358dp"
29         android:layout_height="40dp"
30         android:layout_marginTop="15dp"
31         android:ems="10"
    
```

```

82     tools:layout_editor_absoluteX="14dp"
83     android:layout_below="@+id/radioGroup"
84     android:layout_alignParentEnd="true" />
85
86     <RadioGroup
87         android:id="@+id/radioGroup"
88         android:layout_width="342dp"
89         android:layout_height="104dp"
90         android:layout_marginTop="50dp"
91         android:checkedButton="@+id/radioButton"
92         app:layout_constraintLeft_toLeftOf="parent"
93         app:layout_constraintRight_toRightOf="parent"
94         app:layout_constraintTop_toBottomOf="@+id/editText3">
95
96
97
98     <TextView
99         android:id="@+id/textView9"
100        android:layout_width="wrap_content"
101        android:layout_height="40dp"
102        android:layout_marginLeft="20dp"
103        android:layout_marginStart="20dp"
104        android:layout_marginTop="15dp"
105        android:text="Gender :)"
106        android:textSize="20dp"
107        android:textStyle="bold"
108        app:layout_constraintBottom_toBottomOf="parent"
109        app:layout_constraintLeft_toLeftOf="parent"
110        app:layout_constraintTop_toTopOf="parent"
111        app:layout_constraintVertical_bias="0.557" />
    
```

Order Activity:-

```

import ...

public class Orders extends AppCompatActivity {
    String call,key,value;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_orders);

        Bundle extras=getIntent().getExtras();
        if(extras.containsKey("uid")){
            call="listordersbyuid";
            key="uid";
            value=extras.getString(key);
        }
        if(extras.containsKey("sid")){
            call="listordersbysid";
            key="sid";
            value=extras.getString(key);
        }
        loadMeds();
    }

    private void loadMeds(){
        new Thread((Runnable) () -> {

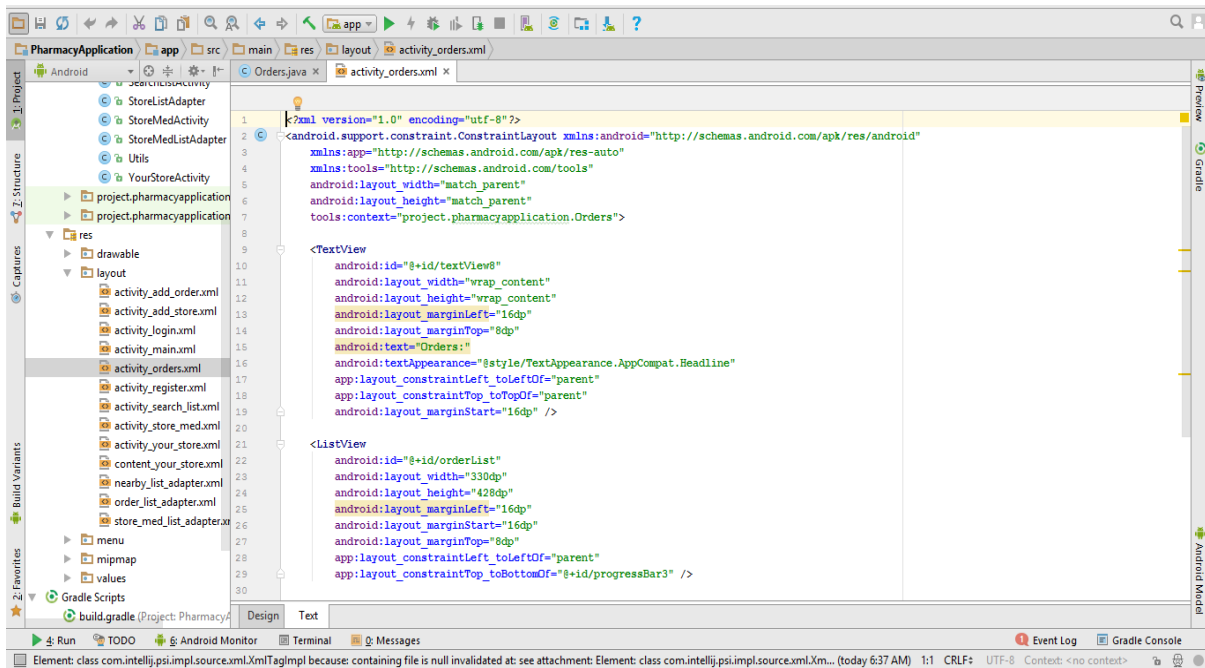
            HashMap<String,String> hm=new HashMap<>();
            hm.put(call,"true");
            hm.put(key,value);
            final String response=Utils.performPostCall("http://altcode.in/ms700010/api.php",hm);
        }
    }
}
    
```

```

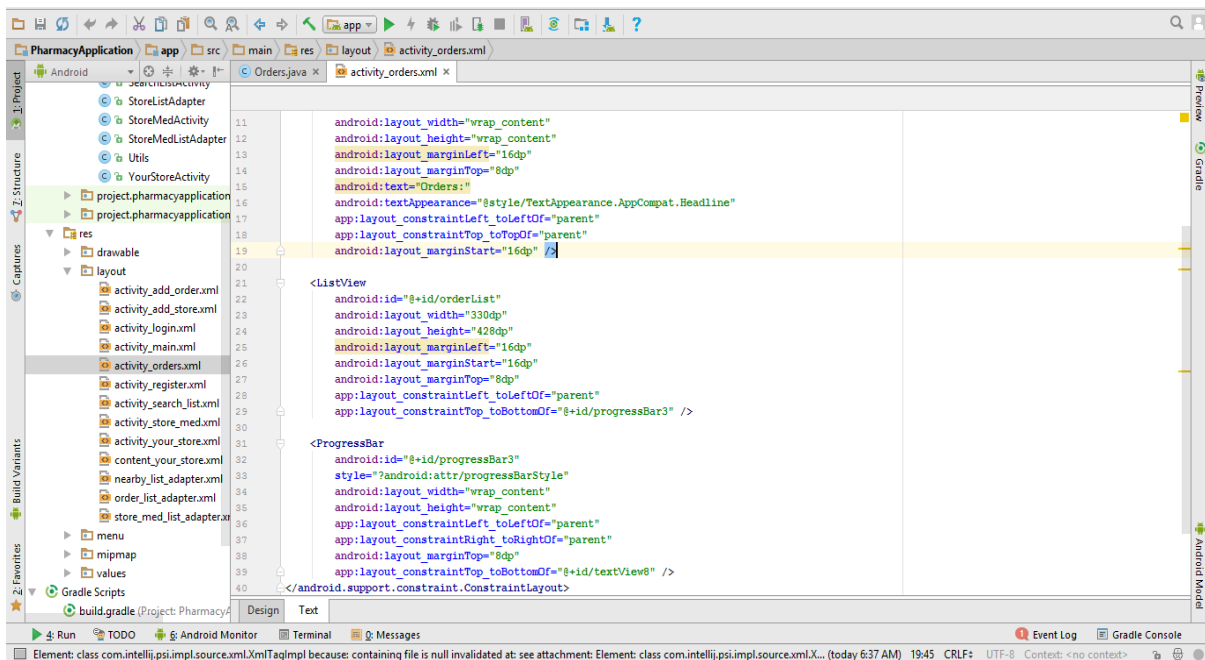
            hm.put(call,"true");
            hm.put(key,value);
            final String response=Utils.performPostCall("http://altcode.in/ms700010/api.php",hm);
            System.out.println(response+" (" +key+" "+value+" )");

            try {
                JSONArray jsonArray=new JSONArray(response);
                int n=jsonArray.length();
                final String[] names=new String[n];
                final String[] address=new String[n];
                final String[] price=new String[n];
                final String[] qty=new String[n];
                for(int i=0;i<n;i++){
                    names[i]=jsonArray.getJSONObject(i).getString("med_name");
                    address[i]=jsonArray.getJSONObject(i).getString("order_address");
                    price[i]=jsonArray.getJSONObject(i).getString("order_total");
                    qty[i]=jsonArray.getJSONObject(i).getString("order_quantity");
                }
                runOnUiThread() -> {
                    OrderAdapter sla=new OrderAdapter(Orders.this, names, address, price, qty);
                    ((ProgressBar)findViewById(R.id.progressBar)).setVisibility(View.GONE);
                    ListView lv=(ListView)findViewById(R.id.orderList);
                    lv.setAdapter(sla);
                });
            } catch (JSONException e) {
                runOnUiThread() -> {
                    Toast.makeText(getApplicationContext(), response, Toast.LENGTH_LONG);
                });
            }
        }
    }
}
    
```

Order Activity XML:-



```
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout 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="project.pharmacyapplication.Orders">
    <TextView
        android:id="@+id/textView8"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="16dp"
        android:layout_marginTop="8dp"
        android:text="Orders!"
        android:textAppearance="@style/TextAppearance.AppCompat.Headline"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        android:layout_marginStart="16dp" />
    <ListView
        android:id="@+id/orderList"
        android:layout_width="330dp"
        android:layout_height="428dp"
        android:layout_marginLeft="16dp"
        android:layout_marginStart="16dp"
        android:layout_marginTop="8dp"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/progressBar3" />
</android.support.constraint.ConstraintLayout>
```



```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="16dp"
        android:layout_marginTop="8dp"
        android:text="Orders!"
        android:textAppearance="@style/TextAppearance.AppCompat.Headline"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        android:layout_marginStart="16dp" />
    <ListView
        android:id="@+id/orderList"
        android:layout_width="330dp"
        android:layout_height="428dp"
        android:layout_marginLeft="16dp"
        android:layout_marginStart="16dp"
        android:layout_marginTop="8dp"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/progressBar3" />
    <ProgressBar
        android:id="@+id/progressBar3"
        style="?android:attr/progressBarStyle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        android:layout_marginTop="8dp"
        app:layout_constraintTop_toBottomOf="@+id/textView8" />
</android.support.constraint.ConstraintLayout>
```

Store Activity:-

```

StoreMedActivity viewOrders()
1 package project.pharmacyapplication;
2
3 import ..
19
20 public class StoreMedActivity extends AppCompatActivity {
21     private String sid;
22     @Override
23     protected void onCreate(Bundle savedInstanceState) {
24         super.onCreate(savedInstanceState);
25         Bundle bd=getIntent().getExtras();
26         sid=bd.getString("sid");
27         setContentView(R.layout.activity_store_med);
28         ((TextView)findViewById(R.id.textView5)).setText(bd.getString("name"));
29         ((TextView)findViewById(R.id.textView6)).setText(bd.getString("address"));
30         loadMeds();
31     }
32
33
34     public void viewOrders(View v) {
35         Intent i=new Intent(StoreMedActivity.this,Orders.class);
36         i.putExtra("sid",sid);
37         startActivity(i);
38     }
39
40     public void addMed(View v) {
41         String name=((EditText)findViewById(R.id.medNameField)).getText().toString();
42         String formula=((EditText)findViewById(R.id.medFormulaField)).getText().toString();
43         String price=((EditText)findViewById(R.id.medPriceField)).getText().toString();
44         ((EditText)findViewById(R.id.medNameField)).setText("");
45         ((EditText)findViewById(R.id.medFormulaField)).setText("");
46         ((EditText)findViewById(R.id.medPriceField)).setText("");
47         final HashMap<String,String> hm=new HashMap<>();

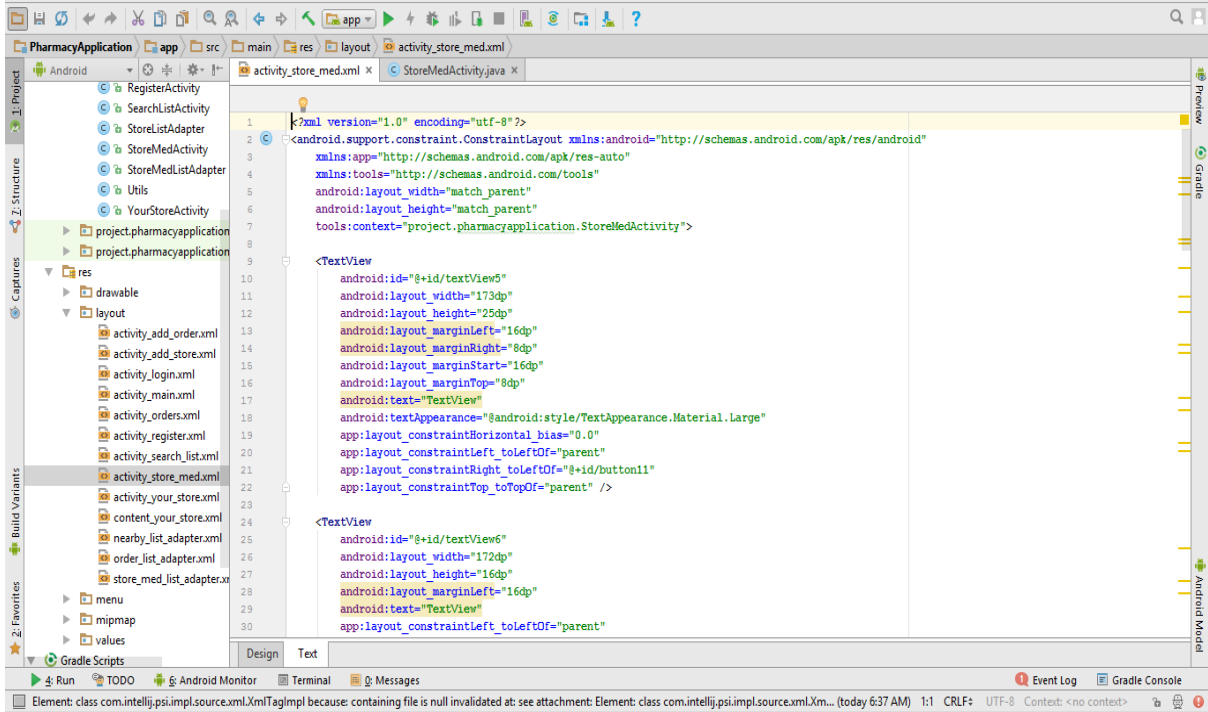
```

```

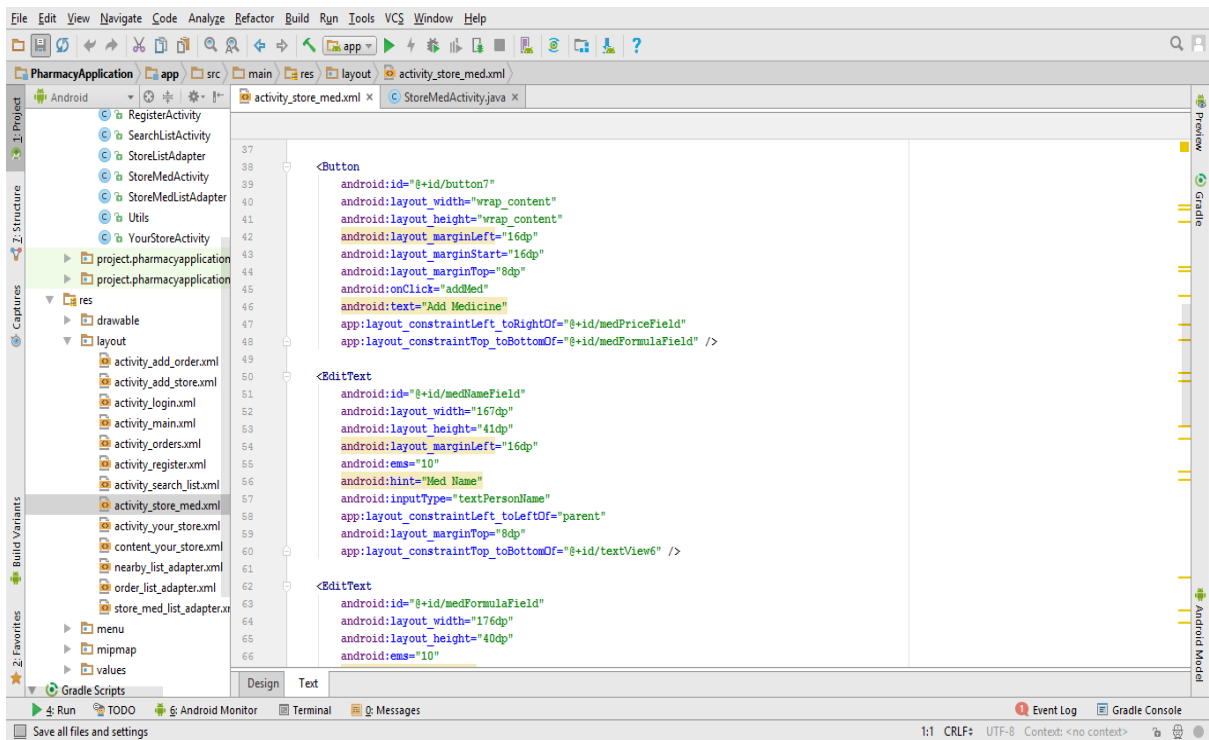
StoreMedActivity viewOrders()
70     public void delMed(String mid){
71         final HashMap<String,String> hm=new HashMap<>();
72         hm.put("delmed","true");
73         hm.put("mid",mid);
74         new Thread((Runnable) () -> {
75             final String response=Utils.performPostCall("http://altcode.in/ms700010/api.php",hm);
76             runOnUiThread(() -> {
77                 Toast.makeText(getApplicationContext(),response.substring(2),Toast.LENGTH_LONG).show();
78             });
79             loadMeds();
80         }).start();
81     }
82
83     private void loadMeds() {
84         new Thread((Runnable) () -> {
85             HashMap<String,String> hm=new HashMap<>();
86             hm.put("listmedsbyid","true");
87             hm.put("sid",sid);
88             final String response=Utils.performPostCall("http://altcode.in/ms700010/api.php",hm);
89
90             try {
91                 JSONArray jsonArray=new JSONArray(response);
92                 int n=jsonArray.length();
93                 final String[] names=new String[n];
94                 final String[] address=new String[n];
95                 final String[] price=new String[n];
96                 final String[] mid=new String[n];
97                 for(int i=0;i<n;i++){
98                     names[i]=jsonArray.getJSONObject(i).getString("med_name");
99                     address[i]=jsonArray.getJSONObject(i).getString("med_formula");
100

```

Store Activity xml:-



```
1 <?xml version="1.0" encoding="utf-8"?>
2 <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     tools:context="project.pharmacyapplication.StoreMedActivity">
8
9     <TextView
10         android:id="@+id/textView5"
11         android:layout_width="173dp"
12         android:layout_height="25dp"
13         android:layout_marginLeft="16dp"
14         android:layout_marginRight="8dp"
15         android:layout_marginStart="16dp"
16         android:layout_marginTop="8dp"
17         android:text="TextView"
18         android:textAppearance="@android:style/TextAppearance.Material.Large"
19         app:layout_constraintHorizontal_bias="0.0"
20         app:layout_constraintLeft_toLeftOf="parent"
21         app:layout_constraintRight_toLeftOf="@+id/button1"
22         app:layout_constraintTop_toTopOf="parent" />
23
24     <TextView
25         android:id="@+id/textView6"
26         android:layout_width="172dp"
27         android:layout_height="16dp"
28         android:layout_marginLeft="16dp"
29         android:text="TextView"
30         app:layout_constraintLeft_toLeftOf="parent" />
```



```
37
38 <Button
39     android:id="@+id/button7"
40     android:layout_width="wrap_content"
41     android:layout_height="wrap_content"
42     android:layout_marginLeft="16dp"
43     android:layout_marginStart="16dp"
44     android:layout_marginTop="8dp"
45     android:onClick="addMed"
46     android:text="Add Medicine"
47     app:layout_constraintLeft_toRightOf="@+id/medPriceField"
48     app:layout_constraintTop_toBottomOf="@+id/medFormulaField" />
49
50 <EditText
51     android:id="@+id/medNameField"
52     android:layout_width="167dp"
53     android:layout_height="41dp"
54     android:layout_marginLeft="16dp"
55     android:ems="10"
56     android:hint="Med Name"
57     android:inputType="textPersonName"
58     app:layout_constraintLeft_toLeftOf="parent"
59     android:layout_marginTop="8dp"
60     app:layout_constraintTop_toBottomOf="@+id/textView6" />
61
62 <EditText
63     android:id="@+id/medFormulaField"
64     android:layout_width="176dp"
65     android:layout_height="40dp"
66     android:ems="10" />
```

FEATURES OF MEDEASY:

- Easy to register and login.
- It is completely secure.
- It can be easily find the location by using the Google Map.
- This system is easily compatible with most of the Android Phones.
- It is very interactive and saves time.
- Reduces human works.
- Users will be updated with the health related tips.

FUTURE SCOPE OF THE WORK:

- We will add a payment gateway in this project.
- We will also provide a way to access the website of the sellers.
- We will develop a website also for this app.
- The medicine can be added to the database by the QR code scan.
- The order can be placed using the prescription also.

CONCLUSION:

This project will help the patient party in the serious time by knowing them the nearest medical shop the medicine is available. It will save time and also help people to be beside the patient instead of searching for medicine from shop to shop. It will also update them by the health related tips.

While making the system, an eye has been kept on making it as user-friendly, flexible as possible. As such one may hope that the system will be acceptable to any user and will adequately meet his/her needs.

Overall the project teaches us the essential skills like system analysis and design techniques like data flow diagram in designing the system.

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8. www.prabeeshrkandroid.com
9. www.androidhive.com
10. Android Application Name: EasyPharm, SastaSundar etc.