# ANDROID BASIC SUMMER TRAINING PROJECT(2019)

PROJECT TITLE

Ticket booking System application

OBJECTIVE

To Register(Sign up) and login of user.

To Select source and destination stations,Date etc.

To book ticket and display it.

FUNCTIONAL REQUIREMENT

The Bus ticket booking system application is extensively used to book tickets to travel in a particular region.

The primary use will involve the Sign up ,login booking of tickets and display it in another page.

* PROJECT DESCRIPTION(MANIFEST FILE)
* <?*xml version=*"1.0" *encoding=*"utf-8"?>  
  <manifest *xmlns:android=*"http://schemas.android.com/apk/res/android"  
   *package=*"com.example.ticketbooking">  
    
   <application  
   *android:allowBackup=*"true"  
   *android:icon=*"@mipmap/ic\_launcher"  
   *android:label=*"@string/app\_name"  
   *android:roundIcon=*"@mipmap/ic\_launcher\_round"  
   *android:supportsRtl=*"true"  
   *android:theme=*"@style/AppTheme">  
   <activity *android:name=*".MainActivity">  
   <intent-filter>  
   <action *android:name=*"android.intent.action.MAIN" />  
    
   <category *android:name=*"android.intent.category.LAUNCHER" />  
   </intent-filter>  
   </activity>  
   <activity *android:name=*".Signup" />  
   <activity *android:name=*".Signin" />  
   <activity *android:name=*".Reservation\_panel" />  
   <activity *android:name=*".Ticket\_Details">  
   </activity>  
    
   </application>  
    
  </manifest>

FRONT END DESCRIPTION

FRONT END JAVA CODE:

1.DATABASEHELPER

package com.example.ticketbooking;

import android.content.Context;

import android.database.sqlite.SQLiteDatabase;

import android.database.sqlite.SQLiteOpenHelper;

public class DataBaseHelper extends SQLiteOpenHelper {

public DataBaseHelper(Context context, String name, SQLiteDatabase.CursorFactory factory, int version) {

super(context, name, factory, version);

}

public void onCreate(SQLiteDatabase db) {

db.execSQL(com.example.ticketbooking.Ticket1.DB\_CREATE);

}

public void onUpgrade(SQLiteDatabase db, int \_oldVersion, int \_newVersion)

{

db.execSQL("DROP TABLE IF EXISTS "+"TEMPLATE");

onCreate(db);

}

}

2. TICKET CLASS

package com.example.ticketbooking;

import android.content.ContentValues;

import android.content.Context;

import android.database.Cursor;

import android.database.SQLException;

import android.database.sqlite.SQLiteDatabase;

public class Ticket1 {

static final String DB\_NAME = "Booking";

static final int DB\_VERSION = 1;

public static final int NAME\_COLUMN = 1;

static final String DB\_CREATE = "create table "+"LOGIN"+

"( " +"ID"+" integer primary key autoincrement,"+ "USERNAME text,PASSWORD text); ";

//public static String DataBase\_CREATE;

public SQLiteDatabase db;

private final Context context;

private DataBaseHelper dbHelper;

public Ticket1(Context \_context)

{

context = \_context;

dbHelper = new DataBaseHelper(context, DB\_NAME, null, DB\_VERSION);

}

public Ticket1 open() throws SQLException

{

db = dbHelper.getWritableDatabase();

return this;

}

public void close()

{

db.close();

}

public SQLiteDatabase getDatabaseInstance()

{

return db;

}

public void insertEntry(String a, String b) {

ContentValues Values = new ContentValues();

// Assign values for each row.

Values.put("USERNAME", a);

Values.put("PASSWORD", b);

// Insert the row into your table

db.insert("LOGIN", null, Values);

}

public String getSinlgeEntry(String userName)

{

Cursor cursor=db.query("LOGIN", null, " USERNAME=?", new String[]{userName}, null, null, null);

if(cursor.getCount()<1) // UserName Not Exist

{

cursor.close();

return "NOT EXIST";

}

cursor.moveToFirst();

String pass= cursor.getString(cursor.getColumnIndex("PASSWORD"));

cursor.close();

return pass;

}

}

3.MAIN ACTIVITY(WELCOME )

package com.example.ticketbooking;

import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

public class MainActivity extends Activity

{

Button b1,b2;

com.example.ticketbooking.Ticket1 ticket1;

@Override

protected void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

// create a instance of SQLite Database

ticket1=new com.example.ticketbooking.Ticket1(this);

ticket1=ticket1.open();

// Get The Refference Of Buttons

b1=(Button)findViewById(R.id.button);

b2=(Button)findViewById(R.id.button2);

// Set OnClick Listener on SignUp button

b1.setOnClickListener(new View.OnClickListener() {

public void onClick(View v) {

// *TODO* Auto-generated method stub

/// Create Intent for SignUpActivity abd Start The Activity

Intent i1=new Intent(getApplicationContext(),Signup.class);

startActivity(i1);

}

});

b2.setOnClickListener(new View.OnClickListener() {

public void onClick(View v) {

// *TODO* Auto-generated method stub

/// Create Intent for SignUpActivity abd Start The Activity

Intent i2=new Intent(getApplicationContext(),Signin.class);

startActivity(i2);

}

});

}

@Override

protected void onDestroy() {

super.onDestroy();

// Close The Database

ticket1.close();

}

}

5. SIGN UP CLASS

package com.example.ticketbooking;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class Signup extends AppCompatActivity {

EditText e1,e2,e3;

Button b1;

com.example.ticketbooking.Ticket1 ticket1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_signup);

ticket1=new com.example.ticketbooking.Ticket1(this);

ticket1=ticket1.open();

e1=(EditText)findViewById(R.id.editText3);

e2=(EditText)findViewById(R.id.editText4);

e3=(EditText)findViewById(R.id.editText5);

b1=(Button)findViewById(R.id.button4);

b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String a=e1.getText().toString();

String b=e2.getText().toString();

String c=e3.getText().toString();

if(a.equals("")||b.equals("")||c.equals(""))

{

Toast.makeText(getApplicationContext(), "Field Vacant", Toast.LENGTH\_LONG).show();

return;

}

// check if both password matches

if(!b.equals(c))

{

Toast.makeText(getApplicationContext(), "Password does not match", Toast.LENGTH\_SHORT).show();

return;

}

else

{

// Save the Data in Database

ticket1.insertEntry(a,b);

Toast.makeText(getApplicationContext(), "Account Successfully Created ", Toast.LENGTH\_SHORT).show();

Intent i=new Intent(Signup.this,Signin.class);

startActivity(i);

}

}

});

}

}

6. SIGN IN CLASS

package com.example.ticketbooking;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class Signin extends AppCompatActivity {

EditText e1,e2;

Button b1;

private com.example.ticketbooking.Ticket1 ticket1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_signin);

e1=(EditText)findViewById(R.id.editText);

e2=(EditText)findViewById(R.id.editText2);

Button b1=(Button)findViewById(R.id.button3);

ticket1=new com.example.ticketbooking.Ticket1(this);

ticket1=ticket1.open();

b1.setOnClickListener(new View.OnClickListener() {

public void onClick(View v) {

// get The User name and Password

String userName=e1.getText().toString();

String password=e2.getText().toString();

// fetch the Password from database for respective user name

String storedPassword=ticket1.getSinlgeEntry(userName);

// check if the Stored password matches with Password entered by user

if(password.equals(storedPassword))

{

Toast.makeText(Signin.this, "Congrats: Login Successfull", Toast.LENGTH\_LONG).show();

Intent i=new Intent(Signin.this,Reservation\_panel.class);

startActivity(i);

}

else

{

Toast.makeText(Signin.this, "User Name or Password does not match", Toast.LENGTH\_LONG).show();

}

}

});

}

}

7. RESERVATION CLASS

package com.example.ticketbooking;

import android.app.DatePickerDialog;

import android.content.DialogInterface;

import android.content.Intent;

import android.graphics.Color;

import android.graphics.drawable.ColorDrawable;

import android.os.Bundle;

import android.view.View;

import android.view.Window;

import android.view.WindowManager;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.Spinner;

import android.widget.TextView;

import android.widget.Toast;

import androidx.appcompat.app.AlertDialog;

import androidx.appcompat.app.AppCompatActivity;

import java.util.ArrayList;

import java.util.Calendar;

import java.util.List;

public class Reservation\_panel extends AppCompatActivity implements AdapterView.OnItemSelectedListener {

Button b1, b2;

Spinner s1, s2;

String source, destination;

int cost = 0;

TextView t1, t2;

EditText e1;

DatePickerDialog.OnDateSetListener date;

// @SuppressLint("WrongViewCast")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

requestWindowFeature(Window.FEATURE\_NO\_TITLE);

getWindow().setFlags(WindowManager.LayoutParams.FLAG\_FULLSCREEN, WindowManager.LayoutParams.FLAG\_FULLSCREEN);

setContentView(R.layout.activity\_reservation\_panel);

b1 = (Button) findViewById(R.id.button5);

b2 = (Button) findViewById(R.id.button6);

t1 = (TextView) findViewById(R.id.textView5);

t2 = (TextView) findViewById(R.id.textView6);

e1 = (EditText) findViewById(R.id.editText6);

t2.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Calendar cal = Calendar.getInstance();

int year = cal.get(Calendar.YEAR);

int month = cal.get(Calendar.MONTH);

int day = cal.get(Calendar.DAY\_OF\_MONTH);

DatePickerDialog dialog = new DatePickerDialog(Reservation\_panel.this, android.R.style.Theme\_Holo\_Light\_Dialog\_MinWidth, date, year, month, day);

dialog.getWindow().setBackgroundDrawable(new ColorDrawable(Color.TRANSPARENT));

dialog.show();

}

});

date = new DatePickerDialog.OnDateSetListener() {

@Override

public void onDateSet(DatePicker view, int year, int month, int dayofmonth) {

month = month + 1;

String date = dayofmonth + "/" + month + "/" + year;

t2.setText(date);

}

};

b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent i1=new Intent(Reservation\_panel.this,Ticket\_Details.class);

i1.putExtra("from", source);

i1.putExtra("to", destination);

i1.putExtra("fare", t1.getText().toString());

i1.putExtra("date", t2.getText().toString());

i1.putExtra("Name", e1.getText().toString());

startActivity(i1);

}

});

b2.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

AlertDialog.Builder alert = new AlertDialog.Builder(Reservation\_panel.this);

alert.setMessage("Are you Sure?")

.setCancelable(false)

.setPositiveButton("Yes", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialog, int which) {

finish();

}

})

.setNegativeButton("No", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialog, int which) {

dialog.cancel();

}

});

AlertDialog dialogg = alert.create();

dialogg.show();

}

});

s1= (Spinner) findViewById(R.id.Spinner);

s2 = (Spinner) findViewById(R.id.spinner2);

List<String> locations = new ArrayList<String>();

locations.add("asansol");

locations.add("durgapur");

locations.add("rajbandh");

locations.add("burdwan");

source = locations.get(0);

destination = locations.get(0);

ArrayAdapter<String> adapterSpinnerSource = new ArrayAdapter<String>(Reservation\_panel.this, android.R.layout.simple\_spinner\_dropdown\_item, locations);

ArrayAdapter<String> adapterSpinnerDestination = new ArrayAdapter<String>(Reservation\_panel.this, android.R.layout.simple\_spinner\_dropdown\_item, locations);

s1.setAdapter(adapterSpinnerSource);

s2.setAdapter(adapterSpinnerDestination);

s1.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {

@Override

public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {

source = parent.getItemAtPosition(position).toString();

calculatecost();

}

@Override

public void onNothingSelected(AdapterView<?> parent) {

}

});

s2.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {

@Override

public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {

destination = parent.getItemAtPosition(position).toString();

calculatecost();

}

@Override

public void onNothingSelected(AdapterView<?> parent) {

}

});

}

public void calculatecost() {

if ((source.equals("asansol") && destination.equals("durgapur")) || (source.equals("durgapur") && destination.equals("asansol")))

{

cost = 10;

}

else if ((source.equals("asansol") && destination.equals("asansol")) || (source.equals("asansol") && destination.equals("asansol")))

{

Toast.makeText(getApplicationContext(), "Source and destination should not be same!!", Toast.LENGTH\_SHORT).show();

}

else if ((source.equals("durgapur") && destination.equals("durgapur")) || (source.equals("durgapur") && destination.equals("durgapur")))

{

Toast.makeText(getApplicationContext(), "Source and destination should not be same!!", Toast.LENGTH\_SHORT).show();

}else if ((source.equals("rajbandh") && destination.equals("rajbandh")) || (source.equals("rajbandh") && destination.equals("rajbandh")))

{

Toast.makeText(getApplicationContext(), "Source and destination should not be same!!", Toast.LENGTH\_SHORT).show();

}else if ((source.equals("burdwan") && destination.equals("burdwan")) || (source.equals("burdwan") && destination.equals("burdwan")))

{

Toast.makeText(getApplicationContext(), "Source and destination should not be same!!", Toast.LENGTH\_SHORT).show();

}

else if ((source.equals("asansol") && destination.equals("rajbandh")) || (source.equals("rajbandh") && destination.equals("asansol")))

{

cost = 20;

}

else if ((source.equals("asansol") && destination.equals("burdwan")) || (source.equals("burdwan") && destination.equals("asansol")))

{

cost = 30;

}

else if ((source.equals("durgapur") && destination.equals("asansol")) || (source.equals("asansol") && destination.equals("durgapur")))

{

cost = 10;

}

else if ((source.equals("durgapur") && destination.equals("burdwan")) || (source.equals("burdwan") && destination.equals("durgapur")))

{

cost = 20;

}else if ((source.equals("durgapur") && destination.equals("rajbandh")) || (source.equals("rajbandh") && destination.equals("durgapur")))

{

cost = 05;

}else if ((source.equals("rajbandh") && destination.equals("durgapur")) || (source.equals("durgapur") && destination.equals("rajbandh")))

{

cost = 05;

}else if ((source.equals("rajbandh") && destination.equals("asansol")) || (source.equals("asansol") && destination.equals("rajbandh")))

{

cost = 20;

}else if ((source.equals("rajbandh") && destination.equals("burdwan")) || (source.equals("burdwan") && destination.equals("rajbandh")))

{

cost = 30;

}else if ((source.equals("burdwan") && destination.equals("durgapur")) || (source.equals("durgapur") && destination.equals("burdwan")))

{

cost = 30;

}else if ((source.equals("burdwan") && destination.equals("asansol")) || (source.equals("asansol") && destination.equals("burdwan")))

{

cost = 40;

}else if ((source.equals("burdwan") && destination.equals("rajbandh")) || (source.equals("rajbandh") && destination.equals("burdwan")))

{

cost = 10;

}

t1.setText(String.valueOf(cost));

}

@Override

public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {

}

@Override

public void onNothingSelected(AdapterView<?> parent) {

}

}

8. TICKET DETAILS CLASS

package com.example.ticketbooking;

import android.content.Intent;

import android.os.Bundle;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class Ticket\_Details extends AppCompatActivity {

TextView t1, t2, t3, t4,t5;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_ticket\_\_details);

t1 = (TextView) findViewById(R.id.textView21);

t2 = (TextView) findViewById(R.id.textView13);

t3 = (TextView) findViewById(R.id.textView14);

t4 = (TextView) findViewById(R.id.textView17);

t5 = (TextView) findViewById(R.id.textView19);

Intent i2 = getIntent();

Bundle bundle = i2.getExtras();

String a = bundle.getString("from");

String b = bundle.getString("to");

String c = bundle.getString("fare");

String d = bundle.getString("date");

String e = bundle.getString("Name");

t1.setText(a);

t2.setText(b);

t3.setText(c);

t4.setText(d);

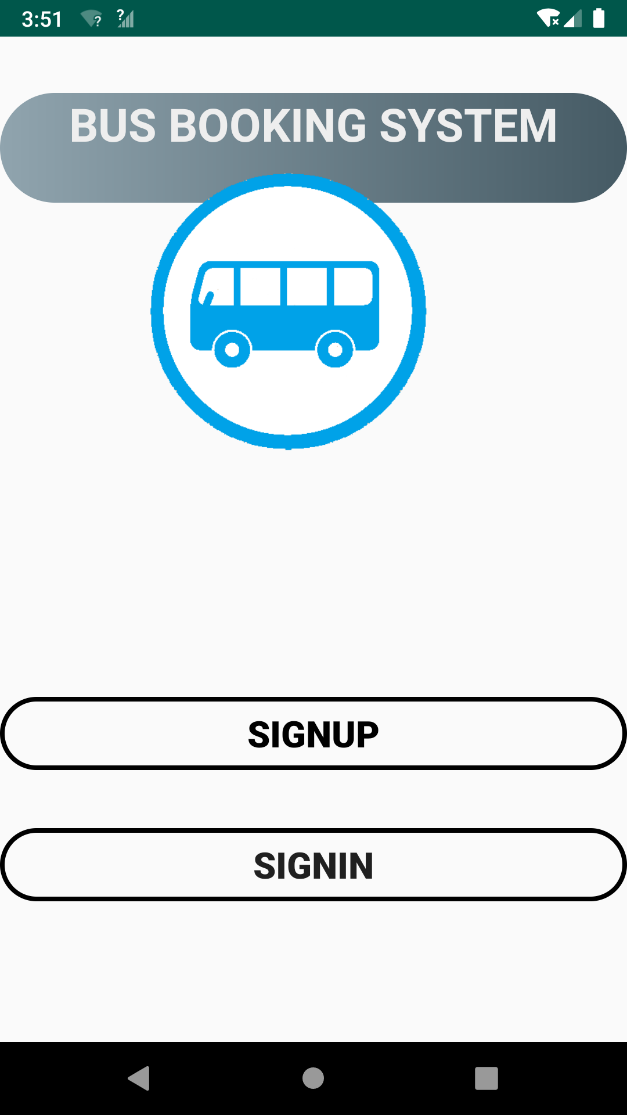
t5.setText(e);

}

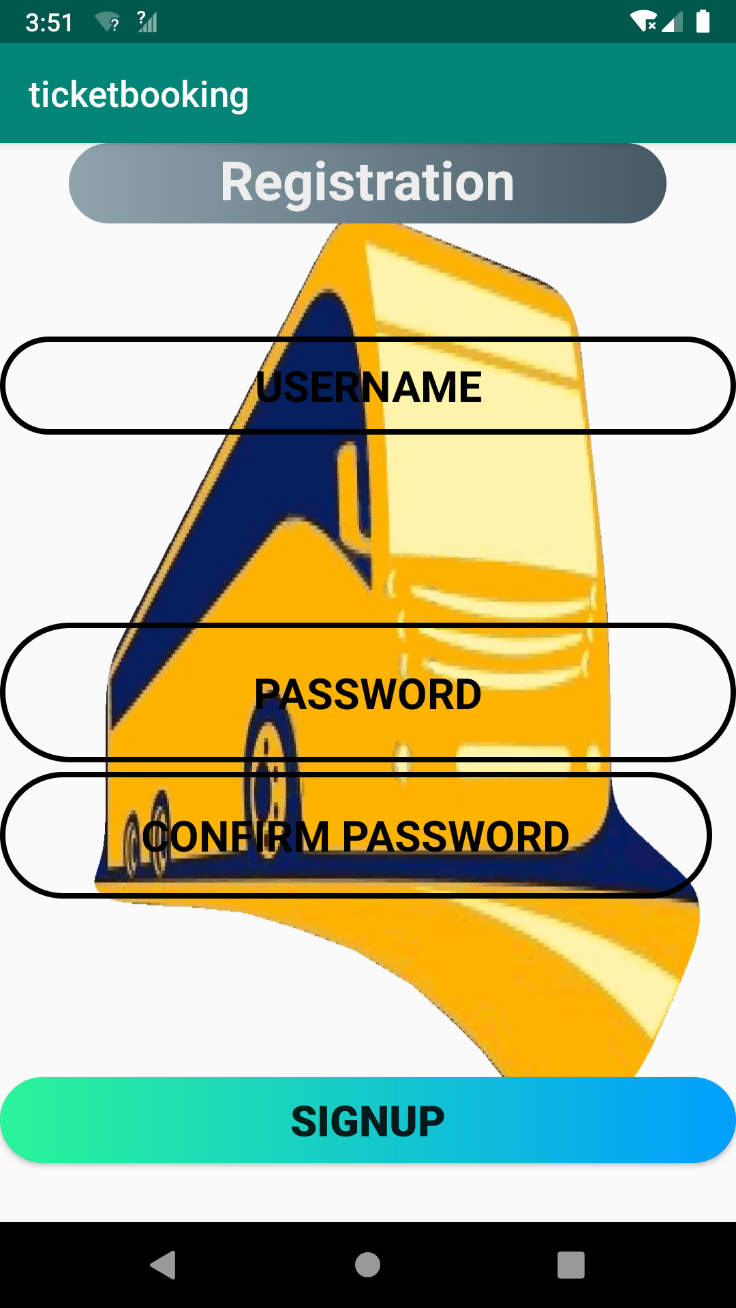
}

FRONT END LAYOUT

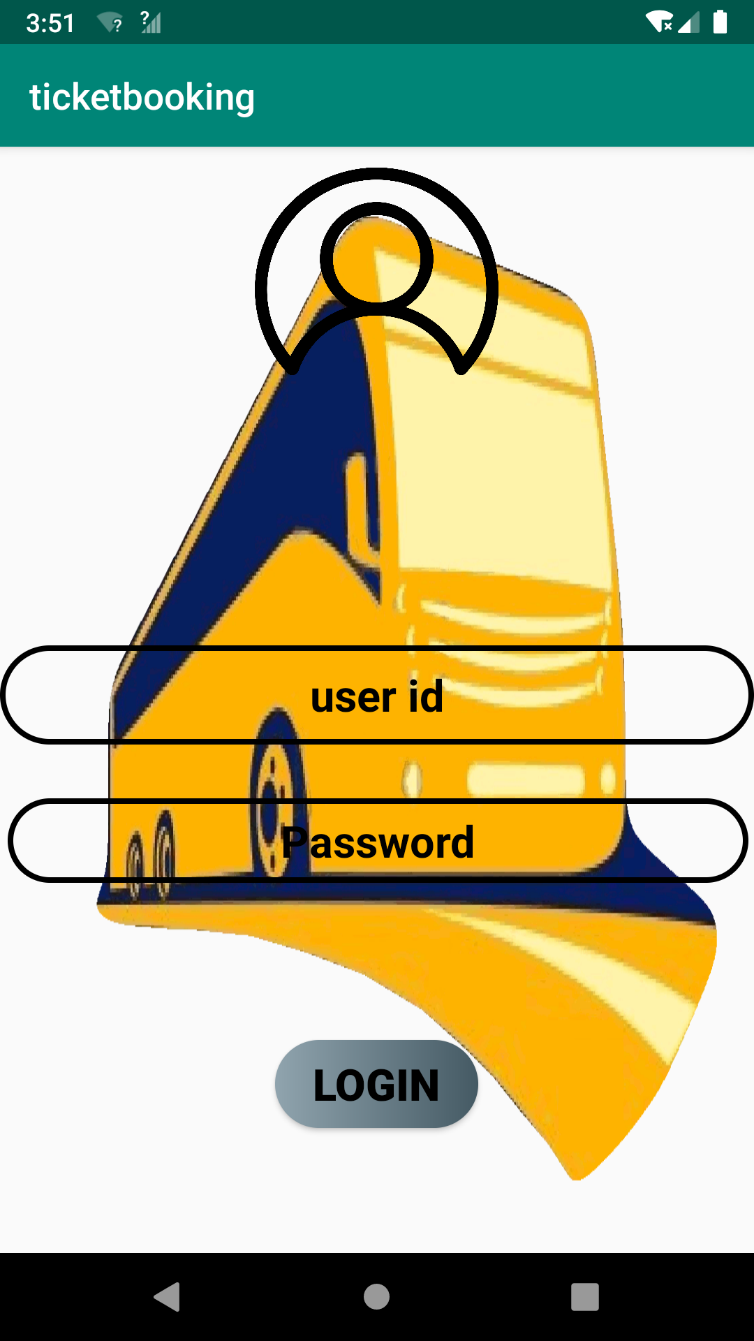
1.FRONT END OF THE WELCOME PAGE:



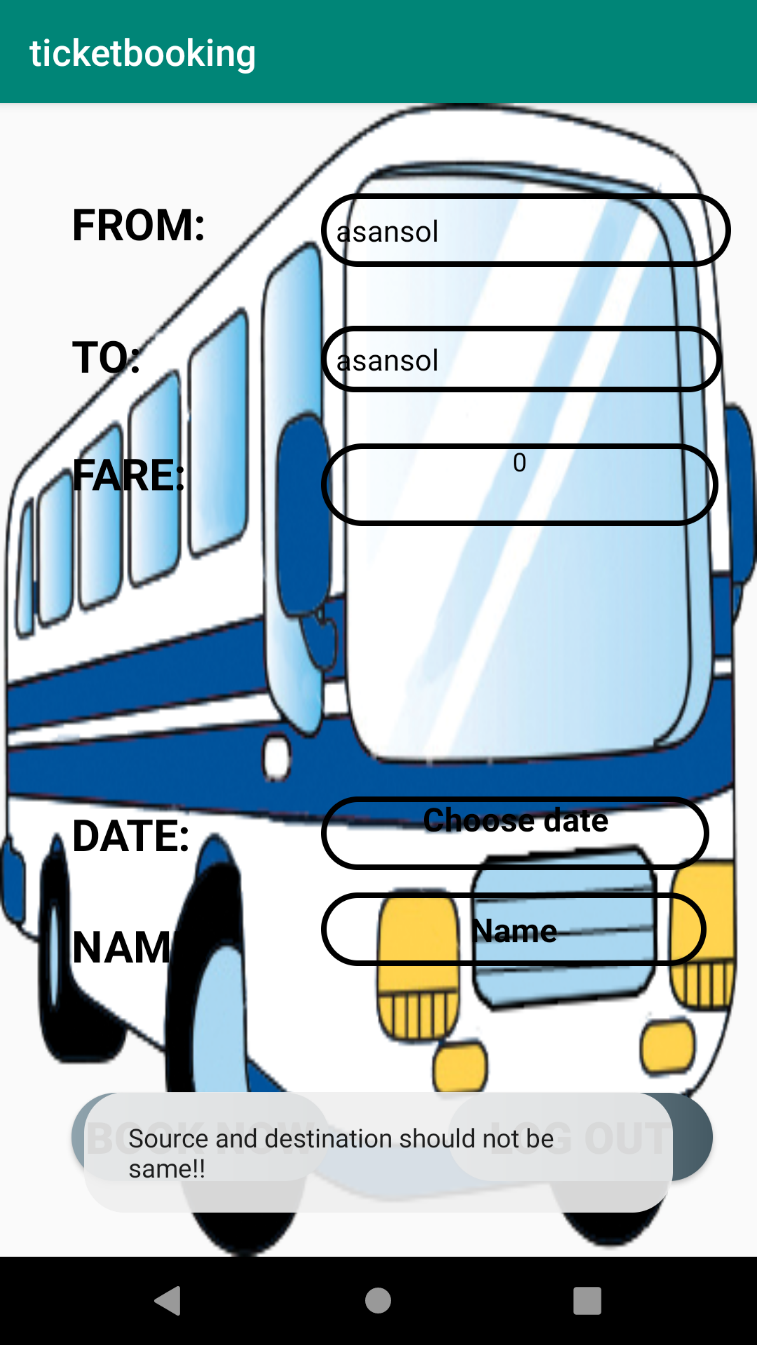
2.FRONT END OF THE SIGN UP PAGE:



3.FRONT END OF SIGN IN PAGE:



4.FRONT END OF THE RESERVATION PANEL:



5.FRONT END OF TICKET DETAILS PAGE:



BACK END DESCRIPTION

(USING XML FILE)

1.ACTIVITY\_MAIN.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=*".MainActivity">  
  
 <Button  
 *android:id=*"@+id/button"  
 *android:layout\_width=*"match\_parent"  
 *android:layout\_height=*"wrap\_content"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_marginTop=*"433dp"  
 *android:background=*"@drawable/style2"  
 *android:text=*"Signup"  
 *android:textColor=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <Button  
 *android:id=*"@+id/button2"  
 *android:layout\_width=*"match\_parent"  
 *android:layout\_height=*"wrap\_content"  
 *android:layout\_alignParentBottom=*"true"  
 *android:layout\_marginBottom=*"92dp"  
 *android:background=*"@drawable/style2"  
 *android:text=*"signin"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <TextView  
 *android:id=*"@+id/textView16"  
 *android:layout\_width=*"match\_parent"  
 *android:layout\_height=*"72dp"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_marginTop=*"37dp"  
 *android:background=*"@drawable/style3"  
 *android:text=*"BUS BOOKING SYSTEM"  
 *android:textAlignment=*"center"  
 *android:textColor=*"#eeeeee"  
 *android:textSize=*"30sp"  
 *android:textStyle=*"bold" />  
  
 <ImageView  
 *android:id=*"@+id/imageView3"  
 *android:layout\_width=*"match\_parent"  
 *android:layout\_height=*"285dp"  
 *android:layout\_alignBottom=*"@+id/button2"  
 *android:layout\_marginBottom=*"233dp"  
 *android:src=*"@drawable/logo7" />  
  
</RelativeLayout>

2.ACITVITY\_SIGNIN.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:background=*"@drawable/logo4"  
 *tools:context=*".Signin">  
  
 <EditText  
 *android:id=*"@+id/editText"  
 *android:layout\_width=*"match\_parent"  
 *android:layout\_height=*"54dp"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_marginTop=*"272dp"  
 *android:background=*"@drawable/style2"  
 *android:ems=*"10"  
 *android:hint=*"user id"  
 *android:inputType=*"textPersonName"  
 *android:textAlignment=*"center"  
 *android:textColorHint=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <EditText  
 *android:id=*"@+id/editText2"  
 *android:layout\_width=*"404dp"  
 *android:layout\_height=*"46dp"  
 *android:layout\_alignStart=*"@+id/editText"  
 *android:layout\_alignParentBottom=*"true"  
 *android:layout\_marginStart=*"4dp"  
 *android:layout\_marginBottom=*"202dp"  
 *android:background=*"@drawable/style2"  
 *android:ems=*"10"  
 *android:hint=*"Password"  
 *android:inputType=*"textPersonName"  
 *android:textAlignment=*"center"  
 *android:textColorHint=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <Button  
 *android:id=*"@+id/button3"  
 *android:layout\_width=*"111dp"  
 *android:layout\_height=*"wrap\_content"  
 *android:layout\_alignParentBottom=*"true"  
 *android:layout\_centerHorizontal=*"true"  
 *android:layout\_marginBottom=*"68dp"  
 *android:background=*"@drawable/style3"  
 *android:text=*"login"  
 *android:textColor=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <ImageView  
 *android:id=*"@+id/imageView2"  
 *android:layout\_width=*"133dp"  
 *android:layout\_height=*"136dp"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_centerHorizontal=*"true"  
 *app:srcCompat=*"@drawable/a1" />  
</RelativeLayout>

3.ACTIVITY\_SIGNUP.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:background=*"@drawable/logo4"  
 *tools:context=*".Signup">  
  
 <EditText  
 *android:id=*"@+id/editText3"  
 *android:layout\_width=*"match\_parent"  
 *android:layout\_height=*"55dp"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_marginTop=*"108dp"  
 *android:background=*"@drawable/style2"  
 *android:ems=*"10"  
 *android:hint=*"USERNAME"  
 *android:inputType=*"textPersonName"  
 *android:textAlignment=*"center"  
 *android:textColorHint=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <EditText  
 *android:id=*"@+id/editText4"  
 *android:layout\_width=*"match\_parent"  
 *android:layout\_height=*"78dp"  
 *android:layout\_alignParentStart=*"true"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_marginStart=*"0dp"  
 *android:layout\_marginTop=*"268dp"  
 *android:background=*"@drawable/style2"  
 *android:ems=*"10"  
 *android:hint=*"PASSWORD"  
 *android:inputType=*"textPersonName"  
 *android:textAlignment=*"center"  
 *android:textColorHint=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <EditText  
 *android:id=*"@+id/editText5"  
 *android:layout\_width=*"398dp"  
 *android:layout\_height=*"71dp"  
 *android:layout\_alignParentBottom=*"true"  
 *android:layout\_marginBottom=*"181dp"  
 *android:background=*"@drawable/style2"  
 *android:ems=*"10"  
 *android:hint=*"CONFIRM PASSWORD"  
 *android:inputType=*"textPersonName"  
 *android:textAlignment=*"center"  
 *android:textColorHint=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <Button  
 *android:id=*"@+id/button4"  
 *android:layout\_width=*"match\_parent"  
 *android:layout\_height=*"wrap\_content"  
 *android:layout\_alignParentBottom=*"true"  
 *android:layout\_marginBottom=*"33dp"  
 *android:background=*"@drawable/style1"  
 *android:text=*"signup"  
 *android:textColorHint=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <TextView  
 *android:id=*"@+id/textView15"  
 *android:layout\_width=*"334dp"  
 *android:layout\_height=*"45dp"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_centerHorizontal=*"true"  
 *android:background=*"@drawable/style3"  
 *android:text=*"Registration"  
 *android:textAlignment=*"center"  
 *android:textColor=*"#EEEEEE"  
 *android:textSize=*"30sp"  
 *android:textStyle=*"bold" />  
</RelativeLayout>

4.ACTIVITY\_RESERVATION\_PANEL.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:id=*"@+id/spinner"  
 *android:layout\_width=*"match\_parent"  
 *android:layout\_height=*"match\_parent"  
 *android:background=*"@drawable/logo5"  
 *android:gravity=*"top"  
 *tools:context=*".Reservation\_panel">  
  
 <TextView  
 *android:id=*"@+id/textView"  
 *android:layout\_width=*"86dp"  
 *android:layout\_height=*"32dp"  
 *android:layout\_alignParentStart=*"true"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_marginStart=*"39dp"  
 *android:layout\_marginTop=*"49dp"  
 *android:text=*"FROM:"  
 *android:textColor=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <TextView  
 *android:id=*"@+id/textView2"  
 *android:layout\_width=*"wrap\_content"  
 *android:layout\_height=*"33dp"  
 *android:layout\_alignStart=*"@+id/textView"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_marginTop=*"121dp"  
 *android:text=*"TO:"  
 *android:textColor=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <Spinner  
 *android:id=*"@+id/Spinner"  
 *android:layout\_width=*"223dp"  
 *android:layout\_height=*"40dp"  
 *android:layout\_alignTop=*"@+id/textView"  
 *android:layout\_alignParentEnd=*"true"  
 *android:layout\_marginEnd=*"14dp"  
 *android:background=*"@drawable/style2"  
 *android:textAlignment=*"center" />  
  
 <Spinner  
 *android:id=*"@+id/spinner2"  
 *android:layout\_width=*"218dp"  
 *android:layout\_height=*"36dp"  
 *android:layout\_alignStart=*"@+id/Spinner"  
 *android:layout\_alignTop=*"@+id/textView2"  
 *android:background=*"@drawable/style2"  
 *android:textAlignment=*"center" />  
  
 <TextView  
 *android:id=*"@+id/textView3"  
 *android:layout\_width=*"73dp"  
 *android:layout\_height=*"37dp"  
 *android:layout\_alignStart=*"@+id/textView"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_marginTop=*"185dp"  
 *android:text=*"FARE:"  
 *android:textColor=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <TextView  
 *android:id=*"@+id/textView4"  
 *android:layout\_width=*"77dp"  
 *android:layout\_height=*"36dp"  
 *android:layout\_alignStart=*"@+id/textView"  
 *android:layout\_alignParentBottom=*"true"  
 *android:layout\_marginBottom=*"210dp"  
 *android:text=*"DATE:"  
 *android:textColor=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <TextView  
 *android:id=*"@+id/textView5"  
 *android:layout\_width=*"216dp"  
 *android:layout\_height=*"45dp"  
 *android:layout\_alignStart=*"@+id/Spinner"  
 *android:layout\_alignTop=*"@+id/textView3"  
 *android:background=*"@drawable/style2"  
 *android:textAlignment=*"center"  
 *android:textColor=*"#000000" />  
  
 <TextView  
 *android:id=*"@+id/textView6"  
 *android:layout\_width=*"211dp"  
 *android:layout\_height=*"40dp"  
 *android:layout\_alignStart=*"@+id/textView5"  
 *android:layout\_alignTop=*"@+id/textView4"  
 *android:layout\_marginTop=*"-4dp"  
 *android:background=*"@drawable/style2"  
 *android:gravity=*"center\_horizontal"  
 *android:text=*"Choose date"  
 *android:textAlignment=*"center"  
 *android:textColor=*"#000000"  
 *android:textSize=*"18sp"  
 *android:textStyle=*"bold" />  
  
 <Button  
 *android:id=*"@+id/button5"  
 *android:layout\_width=*"140dp"  
 *android:layout\_height=*"wrap\_content"  
 *android:layout\_alignStart=*"@+id/textView"  
 *android:layout\_alignParentBottom=*"true"  
 *android:layout\_marginBottom=*"41dp"  
 *android:background=*"@drawable/style3"  
 *android:text=*"book now"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <Button  
 *android:id=*"@+id/button6"  
 *android:layout\_width=*"144dp"  
 *android:layout\_height=*"wrap\_content"  
 *android:layout\_alignTop=*"@+id/button5"  
 *android:layout\_alignParentEnd=*"true"  
 *android:layout\_marginEnd=*"24dp"  
 *android:background=*"@drawable/style3"  
 *android:text=*"log out"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <TextView  
 *android:id=*"@+id/textView18"  
 *android:layout\_width=*"wrap\_content"  
 *android:layout\_height=*"wrap\_content"  
 *android:layout\_alignStart=*"@+id/textView"  
 *android:layout\_alignParentBottom=*"true"  
 *android:layout\_marginBottom=*"153dp"  
 *android:text=*"NAME:"  
 *android:textColor=*"#000000"  
 *android:textSize=*"24sp"  
 *android:textStyle=*"bold" />  
  
 <EditText  
 *android:id=*"@+id/editText6"  
 *android:layout\_width=*"wrap\_content"  
 *android:layout\_height=*"40dp"  
 *android:layout\_alignStart=*"@+id/Spinner"  
 *android:layout\_alignBottom=*"@+id/textView18"  
 *android:layout\_marginBottom=*"5dp"  
 *android:background=*"@drawable/style2"  
 *android:ems=*"10"  
 *android:hint=*"Name"  
 *android:inputType=*"textPersonName"  
 *android:textAlignment=*"center"  
 *android:textColor=*"#000000"  
 *android:textColorHint=*"#000000"  
 *android:textStyle=*"bold" />  
</RelativeLayout>

5.ACTIVITY TICKET\_DETAILS.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:background=*"@android:color/holo\_blue\_dark"  
 *tools:context=*".Ticket\_Details">  
  
 <TextView  
 *android:id=*"@+id/textView7"  
 *android:layout\_width=*"203dp"  
 *android:layout\_height=*"43dp"  
 *android:layout\_alignParentStart=*"true"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_marginStart=*"99dp"  
 *android:layout\_marginTop=*"7dp"  
 *android:text=*"BOOKING DETAILS"  
 *android:textAppearance=*"@style/TextAppearance.AppCompat.Large" />  
  
 <TextView  
 *android:id=*"@+id/textView8"  
 *android:layout\_width=*"140dp"  
 *android:layout\_height=*"41dp"  
 *android:layout\_alignParentStart=*"true"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_marginStart=*"6dp"  
 *android:layout\_marginTop=*"116dp"  
 *android:text=*"FROM" />  
  
 <TextView  
 *android:id=*"@+id/textView9"  
 *android:layout\_width=*"141dp"  
 *android:layout\_height=*"55dp"  
 *android:layout\_alignParentStart=*"true"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_marginStart=*"8dp"  
 *android:layout\_marginTop=*"188dp"  
 *android:text=*"TO" />  
  
 <TextView  
 *android:id=*"@+id/textView10"  
 *android:layout\_width=*"136dp"  
 *android:layout\_height=*"50dp"  
 *android:layout\_alignParentStart=*"true"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_marginStart=*"8dp"  
 *android:layout\_marginTop=*"282dp"  
 *android:text=*"FARE" />  
  
 <TextView  
 *android:id=*"@+id/textView11"  
 *android:layout\_width=*"139dp"  
 *android:layout\_height=*"48dp"  
 *android:layout\_alignParentStart=*"true"  
 *android:layout\_alignParentBottom=*"true"  
 *android:layout\_marginStart=*"3dp"  
 *android:layout\_marginBottom=*"325dp"  
 *android:text=*"DATE" />  
  
 <TextView  
 *android:id=*"@+id/textView12"  
 *android:layout\_width=*"137dp"  
 *android:layout\_height=*"59dp"  
 *android:layout\_alignParentStart=*"true"  
 *android:layout\_alignParentBottom=*"true"  
 *android:layout\_marginStart=*"5dp"  
 *android:layout\_marginBottom=*"226dp"  
 *android:text=*"NAME" />  
  
 <TextView  
 *android:id=*"@+id/textView21"  
 *android:layout\_width=*"210dp"  
 *android:layout\_height=*"44dp"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_alignParentEnd=*"true"  
 *android:layout\_marginTop=*"114dp"  
 *android:layout\_marginEnd=*"9dp" />  
  
 <TextView  
 *android:id=*"@+id/textView13"  
 *android:layout\_width=*"209dp"  
 *android:layout\_height=*"43dp"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_alignParentEnd=*"true"  
 *android:layout\_marginTop=*"197dp"  
 *android:layout\_marginEnd=*"6dp" />  
  
 <TextView  
 *android:id=*"@+id/textView14"  
 *android:layout\_width=*"204dp"  
 *android:layout\_height=*"44dp"  
 *android:layout\_alignParentTop=*"true"  
 *android:layout\_alignParentEnd=*"true"  
 *android:layout\_marginTop=*"286dp"  
 *android:layout\_marginEnd=*"5dp" />  
  
 <TextView  
 *android:id=*"@+id/textView17"  
 *android:layout\_width=*"211dp"  
 *android:layout\_height=*"46dp"  
 *android:layout\_alignParentEnd=*"true"  
 *android:layout\_alignParentBottom=*"true"  
 *android:layout\_marginEnd=*"1dp"  
 *android:layout\_marginBottom=*"323dp" />  
  
 <TextView  
 *android:id=*"@+id/textView19"  
 *android:layout\_width=*"208dp"  
 *android:layout\_height=*"51dp"  
 *android:layout\_alignParentEnd=*"true"  
 *android:layout\_alignParentBottom=*"true"  
 *android:layout\_marginEnd=*"0dp"  
 *android:layout\_marginBottom=*"226dp"  
 *android:text=*"TextView" />  
</RelativeLayout>

* OTHER DETAILS:
* API LEVEL USED TO RUN APP IN MOBILE:MARSHMALLOW(API 28)
* THEME IN EDITOR:AppTheme
* DEVICE IN EDITOR:Nexus4
* API VERSION IN EDITOR:27

GRADLE VERSION:

*#Mon Aug 12 18:41:23 IST 2019*

*distributionBase=GRADLE\_USER\_HOME*

*distributionPath=wrapper/dists*

*zipStoreBase=GRADLE\_USER\_HOME*

*zipStorePath=wrapper/dists*

*distributionUrl=https\://services.gradle.org/distributions/gradle-5.1.1-all.zip*

GRADLE BUILD(MODULE.APP):

apply plugin: 'com.android.application'

android {

compileSdkVersion 29

buildToolsVersion "29.0.1"

defaultConfig {

applicationId "com.example.ticketbooking"

minSdkVersion 19

targetSdkVersion 29

versionCode 1

versionName "1.0"

testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"

}

buildTypes {

release {

minifyEnabled false

proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'), 'proguard-rules.pro'

}

}

}

dependencies {

implementation fileTree(dir: 'libs', include: ['\*.jar'])

implementation 'androidx.appcompat:appcompat:1.0.2'

implementation 'androidx.constraintlayout:constraintlayout:1.1.3'

testImplementation 'junit:junit:4.12'

androidTestImplementation 'androidx.test:runner:1.2.0'

androidTestImplementation 'androidx.test.espresso:espresso-core:3.2.0'

* CONCLUSION

REGISTRATION AND LOGIN SUCCESSFULLY.BOOKING TICKET SUCCESSFULLY USING RESERVATION PANEL AND DETAILS OF THE TICKET IS ALSO OBTAINED SUCCESSFULLY.

Hence , back to the drawing board, the BUS TICKET BOOKING SYSTEM APPLICATION was successfully created and tested .

7.FUTURE SCOPE:

THIS APPLICATION CAN BE USED TO RESERVE TICKETS FOR DIFFERENT DESTINATIONS,IF WE IMPROVE IT USING REMOTE DATABASE AND FIREBASE CONCEPT.

“A sincere thanks to Bikash sir for providing us such a good project.”

VICKY KUMAR(DIATM)