BUS TRACKER

# SOURCE CODE:

# Homepage.java:

**import** android.content.DialogInterface;  
**import** android.content.Intent;  
**import** android.provider.Settings;  
**import** android.support.v7.app.AlertDialog;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.RadioButton;  
**import** android.widget.RadioGroup;  
**import** android.widget.TextView;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 TextView **t1**,**t2**;  
 Button **b1**;  
 RadioButton **rider**,**driver**,**admin**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **t1** = (TextView) findViewById(R.id.***t1***);  
 **t2** = (TextView) findViewById(R.id.***t2***);  
 **b1** = (Button) findViewById(R.id.***b1***);  
 **t2**.setSelected(**true**);  
 **rider** = (RadioButton) findViewById(R.id.***r1***);  
 **driver** = (RadioButton) findViewById(R.id.***r2***);  
 **admin** = (RadioButton) findViewById(R.id.***r3***);  
 **b1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **if** (**rider**.isChecked()) {  
 Intent i = **new** Intent(MainActivity.**this**, Main2Activity.**class**);  
 startActivity(i);  
 } **else if** (**driver**.isChecked()) {  
 Intent i = **new** Intent(MainActivity.**this**, Main11Activity.**class**);  
 startActivity(i);  
 } **else if** (**admin**.isChecked()) {  
 Intent i = **new** Intent(MainActivity.**this**, Main4Activity.**class**);  
 startActivity(i);  
 }  
  
  
 }  
 });  
  
 }  
 @Override  
 **public void** onBackPressed()  
 {  
 **new** AlertDialog.Builder(**this**).setTitle(**"EXIT"**).setMessage(**"Do You Want To Exit?"**)  
 .setPositiveButton(**"YES"**, **new** DialogInterface.OnClickListener() {  
 @Override  
 **public void** onClick(DialogInterface dialog, **int** which) {  
 Intent intent = **new** Intent(Intent.***ACTION\_MAIN***);  
 intent.addCategory(Intent.***CATEGORY\_HOME***);  
 intent.setFlags(Intent.***FLAG\_ACTIVITY\_NEW\_TASK***);  
 startActivity(intent);  
 }  
  
 }).setNegativeButton(**"NO"**,**null**).show();  
  
 }  
}

activitymain1.xml:

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@color/colorPrimary"  
 tools:context="com.example.win81.myapplication.MainActivity"**>  
  
 <**TextView  
 android:text="REC BUS TRACKER"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textStyle="bold"  
 android:textAlignment="center"  
 android:textColor="@color/colorAccent"  
 android:textSize="30dp"  
 android:id="@+id/t1"  
 android:layout\_marginTop="16dp"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"** />  
  
 <**TextView  
 android:text="Track Your Bus From your Location "  
 android:textStyle="italic"  
 android:textSize="20dp"  
 android:ellipsize="marquee"  
 android:marqueeRepeatLimit="marquee\_forever"  
 android:textColor="@color/colorAccent"  
 android:scrollHorizontally="true"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/t1"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="22dp"  
 android:id="@+id/t2"** />  
  
 <**RadioGroup  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="27dp"  
 android:layout\_marginStart="27dp"  
 android:layout\_below="@+id/t2"  
 android:layout\_alignLeft="@+id/t1"  
 android:layout\_alignStart="@+id/t1"  
 android:layout\_marginTop="15dp"**>  
  
 <**RadioButton  
 android:text="RIDER"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/t2"  
 android:textSize="30dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignRight="@+id/t1"  
 android:layout\_alignEnd="@+id/t1"  
 android:layout\_marginRight="62dp"  
 android:layout\_marginEnd="62dp"  
 android:layout\_marginTop="48dp"  
 android:id="@+id/r1"** />  
  
 <**RadioButton  
 android:text="DRIVER"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/r1"  
 android:textColor="@color/colorAccent"  
  
 android:textSize="30dp"  
 android:textStyle="bold"  
 android:layout\_alignLeft="@+id/r1"  
 android:layout\_alignStart="@+id/r1"  
 android:layout\_marginTop="35dp"  
 android:id="@+id/r2"** />  
  
 <**RadioButton  
 android:text="ADMIN"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="30dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_below="@+id/r2"  
 android:layout\_alignRight="@+id/r2"  
 android:layout\_alignEnd="@+id/r2"  
 android:layout\_marginTop="30dp"  
 android:id="@+id/r3"** />  
 </**RadioGroup**>  
  
 <**Button  
 android:text="GO"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/b1"  
 android:background="@color/colorAccent"  
 android:layout\_marginBottom="48dp"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true"** />  
  
</**RelativeLayout**>

Rider Login.java:

**package** com.example.win81.myapplication;  
  
**import** android.annotation.SuppressLint;  
**import** android.app.ProgressDialog;  
**import** android.content.Intent;  
**import** android.os.StrictMode;  
**import** android.support.v7.app.AlertDialog;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**import** java.sql.Connection;  
**import** java.sql.DriverManager;  
**import** java.sql.ResultSet;  
**import** java.sql.SQLException;  
**import** java.sql.Statement;  
  
**public class** Main2Activity **extends** AppCompatActivity {  
 Button **b1**,**b2**;  
 EditText **e1**,**e2**;  
  
 Connection **conn**;  
  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main2***);  
 **b1**=(Button)findViewById(R.id.***b1***);  
 **b2**=(Button)findViewById(R.id.***b2***);  
 **e1**=(EditText)findViewById(R.id.***e1***);  
 **e2**=(EditText)findViewById(R.id.***e2***);  
  
  
 **b1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **try** {  
 **conn**=connectionclass();  
 Statement stmt=**conn**.createStatement();  
 String query=**"select \* from stud1 where uname='"**+**e1**.getText().toString()+**"' and pwd='"**+**e2**.getText().toString()+**"'"**;  
 ResultSet rs=stmt.executeQuery(query);  
  
 **if**(rs.next())  
 {  
 Intent i=**new** Intent(Main2Activity.**this**,Main6Activity.**class**);  
 startActivity(i);  
 }  
 **else** {  
 Toast.*makeText*(Main2Activity.**this**,**"failed"** , Toast.***LENGTH\_LONG***).show();  
 }  
  
 }  
 **catch**(Exception e)  
 {  
 Toast.*makeText*(Main2Activity.**this**, e.getMessage() , Toast.***LENGTH\_LONG***).show();  
 }  
 }  
 });  
 **b2**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i=**new** Intent(Main2Activity.**this**,Main5Activity.**class**);  
 startActivity(i);  
 }  
 });  
 }  
 @SuppressLint(**"NewApi"**)  
 **public** Connection connectionclass()  
 {  
 StrictMode.ThreadPolicy policy=**new** StrictMode.ThreadPolicy.Builder().permitAll().build();  
 StrictMode.*setThreadPolicy*(policy);  
 Connection connection=**null**;  
 **try** {  
 Class.*forName*(**"net.sourceforge.jtds.jdbc.Driver"**).newInstance();  
 connection= DriverManager.*getConnection*(**"jdbc:jtds:sqlserver://192.168.43.80/Student;user=sa;password=admin123"**);  
 }  
 **catch**(SQLException se)  
 {  
 Log.*e*(**"ërror here 1: "**,se.getMessage() );  
 }  
 **catch**(ClassNotFoundException e)  
 {  
 Log.*e*(**"error here 2 : "**,e.getMessage());  
 }  
 **catch**(Exception e)  
 {  
 Log.*e*(**"error here 3: "**,e.getMessage());  
 }  
 **return** connection;  
 }  
}

activitymain2.xml:

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@color/colorPrimary"  
 tools:context="com.example.win81.myapplication.Main2Activity"**>  
  
 <**TextView  
 android:text="USERNAME"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t1"  
 android:layout\_alignBaseline="@+id/e1"  
 android:layout\_alignBottom="@+id/e1"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**Button  
 android:text="LOGIN"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="67dp"  
 android:id="@+id/b1"  
 android:background="@color/colorAccent"  
 android:layout\_below="@+id/e2"  
 android:layout\_toLeftOf="@+id/e2"  
 android:layout\_toStartOf="@+id/e2"  
 android:layout\_marginRight="17dp"  
 android:layout\_marginEnd="17dp"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:ems="10"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/e2"  
 android:layout\_marginTop="56dp"  
 android:layout\_below="@+id/e1"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**TextView  
 android:text="PASSWORD"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/t2"  
 android:layout\_alignBaseline="@+id/e2"  
 android:layout\_alignBottom="@+id/e2"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:ems="10"  
 android:id="@+id/e1"  
 android:textColor="@color/colorAccent"  
 android:layout\_marginTop="47dp"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**TextView  
 android:text="LOGIN"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView5"  
 android:layout\_toRightOf="@+id/b1"  
 android:layout\_toEndOf="@+id/b1"** />  
  
 <**Button  
 android:text="REGISTER"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignTop="@+id/b1"  
 android:background="@color/colorAccent"  
 android:layout\_toRightOf="@+id/textView5"  
 android:layout\_toEndOf="@+id/textView5"  
 android:id="@+id/b2"** />  
  
</**RelativeLayout**>

Driverpage.java:

**package** com.example.win81.myapplication;  
  
**import** android.annotation.SuppressLint;  
**import** android.content.Intent;  
**import** android.location.Location;  
**import** android.location.LocationListener;  
**import** android.location.LocationManager;  
**import** android.os.StrictMode;  
**import** android.provider.Settings;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** java.sql.Connection;  
**import** java.sql.DriverManager;  
**import** java.sql.SQLException;  
**import** java.sql.Statement;  
  
**public class** Main3Activity **extends** AppCompatActivity {  
  
 Button **B1**,**B2**,**b3**;  
 EditText **e1**;  
 TextView **t1**;  
 LocationManager **locationManager**;  
 LocationListener **locationListener**;  
 Connection **conn**;  
  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main3***);  
 **B1** = (Button) findViewById(R.id.***B1***);  
 **B2**=(Button)findViewById(R.id.***B2***);  
 **b3**=(Button)findViewById(R.id.***b3***);  
 **t1**=(TextView)findViewById(R.id.***t1***);  
 **e1**=(EditText)findViewById(R.id.***e1***);  
 **e1**.setText(getIntent().getStringExtra(**"bus\_no"**));  
 **locationManager** = (LocationManager)  
 getSystemService(***LOCATION\_SERVICE***);  
 **locationListener** = **new** LocationListener() {  
 @Override  
 **public void** onLocationChanged(Location location) {  
  
 */\* T1.append("\n" + location.getLatitude() + " " +  
 location.getLongitude());\*/* **try** {  
 **conn** = connectionclass();  
 Statement stmt = **conn**.createStatement();  
 String query=**"update driver1 set latitude='"**+location.getLatitude()+**"',longitude='"**+location.getLongitude()+**"' where bus\_no='"**+**e1**.getText().toString()+**"'"**;  
 **int** v=stmt.executeUpdate(query);  
 **if**(v==1)  
 {  
 Toast.*makeText*(Main3Activity.**this**, **"added"** , Toast.***LENGTH\_LONG***).show();  
 }  
 **else** {  
 Toast.*makeText*(Main3Activity.**this**, **"error"** , Toast.***LENGTH\_LONG***).show();  
 }  
  
 }  
 **catch**(Exception e)  
 {  
 Toast.*makeText*(Main3Activity.**this**, e.getMessage() , Toast.***LENGTH\_LONG***).show();  
 }  
  
  
 }  
  
 @Override  
 **public void** onStatusChanged(String provider, **int** status,  
 Bundle extras) {  
  
 }  
  
 @Override  
 **public void** onProviderEnabled(String provider) {  
  
 }  
  
 @Override  
 **public void** onProviderDisabled(String provider) {  
 Intent intent = **new** Intent(  
 Settings.***ACTION\_LOCATION\_SOURCE\_SETTINGS***);  
 startActivity(intent);  
 }  
 };  
 **B1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **try** {  
 **locationManager**.requestLocationUpdates(**"gps"**,5000,0,**locationListener**);  
 }  
 **catch** (SecurityException e)  
 {  
 Toast.*makeText*(Main3Activity.**this**,e.getMessage(),Toast.***LENGTH\_LONG***).show();  
 }  
 }  
 });  
  
  
  
  
 **B2**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i=getIntent();  
 finish();  
 startActivity(i);  
 }  
 });  
 **t1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i=**new** Intent(Main3Activity.**this**,Main12Activity.**class**);  
 i.putExtra(**"username"**,getIntent().getStringExtra(**"uname"**));  
 i.putExtra(**"password"**,getIntent().getStringExtra(**"pwd"**));  
 startActivity(i);  
 }  
 });  
 **b3**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i=**new** Intent(Main3Activity.**this**,MainActivity.**class**);  
 startActivity(i);  
 }  
 });  
  
 }  
 @SuppressLint(**"NewApi"**)  
 **public** Connection connectionclass()  
 {  
 StrictMode.ThreadPolicy policy=**new** StrictMode.ThreadPolicy.Builder().permitAll().build();  
 StrictMode.*setThreadPolicy*(policy);  
 Connection connection=**null**;  
 **try** {  
 Class.*forName*(**"net.sourceforge.jtds.jdbc.Driver"**).newInstance();  
 connection= DriverManager.*getConnection*(**"jdbc:jtds:sqlserver://192.168.43.80/Student;user=sa;password=admin123"**);  
 }  
 **catch**(SQLException se)  
 {  
 Log.*e*(**"ërror here 1: "**,se.getMessage() );  
 }  
 **catch**(ClassNotFoundException e)  
 {  
 Log.*e*(**"error here 2 : "**,e.getMessage());  
 }  
 **catch**(Exception e)  
 {  
 Log.*e*(**"error here 3: "**,e.getMessage());  
 }  
 **return** connection;  
 }  
}

Activitymain3.xml:

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@color/colorPrimary"  
 tools:context="com.example.win81.myapplication.Main3Activity"**>  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Stop"  
 android:id="@+id/B2"  
 android:background="@color/colorAccent"  
 android:layout\_marginTop="113dp"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**Button  
 android:layout\_width="150dp"  
 android:layout\_height="wrap\_content"  
 android:text="Start Service"  
 android:id="@+id/B1"  
 android:background="@color/colorAccent"  
 android:layout\_alignBaseline="@+id/B2"  
 android:layout\_alignBottom="@+id/B2"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:ems="10"  
 android:layout\_marginRight="56dp"  
 android:layout\_marginEnd="56dp"  
 android:id="@+id/e1"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="10dp"** />  
  
 <**TextView  
 android:text="Do You Want To Change Password??"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="italic"  
 android:textColor="@color/colorAccent"  
 android:layout\_marginTop="44dp"  
 android:id="@+id/t1"  
 android:layout\_below="@+id/B2"  
 android:layout\_centerHorizontal="true"** />  
  
 <**Button  
 android:text="LOGOUT"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/t1"  
 android:background="@color/colorAccent"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="42dp"  
 android:id="@+id/b3"** />  
  
  
</**RelativeLayout**>

AdminLogin.java:

**package** com.example.win81.myapplication;  
  
**import** android.annotation.SuppressLint;  
**import** android.content.Intent;  
**import** android.os.StrictMode;  
**import** android.support.v7.app.AlertDialog;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**import** java.sql.Connection;  
**import** java.sql.DriverManager;  
**import** java.sql.ResultSet;  
**import** java.sql.SQLException;  
**import** java.sql.Statement;  
  
**public class** Main4Activity **extends** AppCompatActivity {  
 Button **b1**,**b2**;  
 EditText **e1**,**e2**;  
  
 Connection **conn**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main4***);  
 **b1**=(Button)findViewById(R.id.***b1***);  
 **b2**=(Button)findViewById(R.id.***b2***);  
 **e1**=(EditText)findViewById(R.id.***e1***);  
 **e2**=(EditText)findViewById(R.id.***e2***);  
 **b1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **try** {  
 **conn**=connectionclass();  
 Statement stmt=**conn**.createStatement();  
 String query=**"select \* from admin where username='"**+**e1**.getText().toString()+**"' and password='"**+**e2**.getText().toString()+**"'"**;  
 ResultSet rs=stmt.executeQuery(query);  
  
 **if**(rs.next())  
 {  
 Intent i=**new** Intent(Main4Activity.**this**,Main8Activity.**class**);  
 startActivity(i);  
 }  
 **else** {  
 AlertDialog.Builder d=**new** AlertDialog.Builder(Main4Activity.**this**);  
 d.setTitle(**"ERROR"**);  
 d.setMessage(**"username and password combination invalid"**);  
 d.show();  
  
 }  
  
 }  
 **catch**(Exception e)  
 {  
 Toast.*makeText*(Main4Activity.**this**, e.getMessage() , Toast.***LENGTH\_LONG***).show();  
 }  
 }  
 });  
 **b2**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i=**new** Intent(Main4Activity.**this**,Main7Activity.**class**);  
 startActivity(i);  
 }  
 });  
 }  
 @SuppressLint(**"NewApi"**)  
 **public** Connection connectionclass()  
 {  
 StrictMode.ThreadPolicy policy=**new** StrictMode.ThreadPolicy.Builder().permitAll().build();  
 StrictMode.*setThreadPolicy*(policy);  
 Connection connection=**null**;  
 **try** {  
 Class.*forName*(**"net.sourceforge.jtds.jdbc.Driver"**).newInstance();  
 connection= DriverManager.*getConnection*(**"jdbc:jtds:sqlserver://192.168.43.80/Student;user=sa;password=admin123"**);  
 }  
 **catch**(SQLException se)  
 {  
 Log.*e*(**"ërror here 1: "**,se.getMessage() );  
 }  
 **catch**(ClassNotFoundException e)  
 {  
 Log.*e*(**"error here 2 : "**,e.getMessage());  
 }  
 **catch**(Exception e)  
 {  
 Log.*e*(**"error here 3: "**,e.getMessage());  
 }  
 **return** connection;  
 }  
  
}

Activity main4.xml:

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main4"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@color/colorPrimary"  
 tools:context="com.example.win81.myapplication.Main4Activity"**>  
  
 <**TextView  
 android:text="USERNAME"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t1"  
 android:layout\_alignBaseline="@+id/e1"  
 android:layout\_alignBottom="@+id/e1"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**Button  
 android:text="LOGIN"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="67dp"  
 android:id="@+id/b1"  
 android:background="@color/colorAccent"  
 android:layout\_below="@+id/e2"  
 android:layout\_toLeftOf="@+id/e2"  
 android:layout\_toStartOf="@+id/e2"  
 android:layout\_marginRight="17dp"  
 android:layout\_marginEnd="17dp"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:ems="10"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/e2"  
 android:layout\_marginTop="56dp"  
 android:layout\_below="@+id/e1"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**TextView  
 android:text="PASSWORD"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/t2"  
 android:layout\_alignBaseline="@+id/e2"  
 android:layout\_alignBottom="@+id/e2"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:ems="10"  
 android:id="@+id/e1"  
 android:textColor="@color/colorAccent"  
 android:layout\_marginTop="47dp"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**TextView  
 android:text="LOGIN"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView5"  
 android:layout\_toRightOf="@+id/b1"  
 android:layout\_toEndOf="@+id/b1"** />  
  
 <**Button  
 android:text="REGISTER"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignTop="@+id/b1"  
 android:background="@color/colorAccent"  
 android:layout\_toRightOf="@+id/textView5"  
 android:layout\_toEndOf="@+id/textView5"  
 android:id="@+id/b2"** />  
  
  
</**RelativeLayout**>

RiderRegister.java:

**package** com.example.win81.myapplication;  
  
**import** android.annotation.SuppressLint;  
**import** android.content.Intent;  
**import** android.os.StrictMode;  
**import** android.support.v7.app.AlertDialog;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**import** java.sql.Connection;  
**import** java.sql.DriverManager;  
**import** java.sql.ResultSet;  
**import** java.sql.SQLException;  
**import** java.sql.Statement;  
  
**public class** Main5Activity **extends** AppCompatActivity {  
Button **b1**,**b2**;  
 EditText **e1**,**e2**,**e3**,**e4**,**e5**,**e7**,**e6**;  
 Connection **conn**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main5***);  
 **b1**=(Button)findViewById(R.id.***b1***);  
 **e1**=(EditText)findViewById(R.id.***e1***);  
 **e2**=(EditText)findViewById(R.id.***e2***);  
 **e3**=(EditText)findViewById(R.id.***e3***);  
 **e4**=(EditText)findViewById(R.id.***e4***);  
 **e5**=(EditText)findViewById(R.id.***e5***);  
 **e7**=(EditText)findViewById(R.id.***e7***);  
 **e6**=(EditText)findViewById(R.id.***e6***);  
 **b2**=(Button)findViewById(R.id.***b2***);  
 **b1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **try** {  
 **conn**=connectionclass();  
 Statement stmt=**conn**.createStatement();  
 String query=**"insert into stud1 values('"**+**e1**.getText().toString()+**"','"**+**e2**.getText().toString()+**"','"**+**e3**.getText().toString()+**"','"**+**e4**.getText().toString()+**"','"**+**e5**.getText().toString()+**"','"**+**e7**.getText().toString()+**"')"**;  
 *//String query1="insert into Login values('"+e4.getText().toString()+"','"+e5.getText().toString()+"')";* **int** n=stmt.executeUpdate(query);  
 *// int n1=stmt.executeUpdate(query1);* **if**(n==1)  
 {  
 AlertDialog.Builder d=**new** AlertDialog.Builder(Main5Activity.**this**);  
 d.setTitle(**"ADDED"**);  
 d.setMessage(**"Registered Successfully"**);  
 d.show();  
 }  
 **else** {  
 AlertDialog.Builder d=**new** AlertDialog.Builder(Main5Activity.**this**);  
 d.setTitle(**"ERROR"**);  
 d.setMessage(**"Not Registered"**);  
 d.show();  
 }  
  
  
 }  
 **catch**(Exception e)  
 {  
 Toast.*makeText*(Main5Activity.**this**, e.getMessage() , Toast.***LENGTH\_LONG***).show();  
 }  
  
 }  
 });  
 **b2**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
  
 **e1**.setText(**""**);  
 **e2**.setText(**""**);  
 **e3**.setText(**""**);  
 **e4**.setText(**""**);  
 **e5**.setText(**""**);  
 **e6**.setText(**""**);  
 **e7**.setText(**""**);  
 }  
 });  
 }  
 @SuppressLint(**"NewApi"**)  
 **public** Connection connectionclass()  
 {  
 StrictMode.ThreadPolicy policy=**new** StrictMode.ThreadPolicy.Builder().permitAll().build();  
 StrictMode.*setThreadPolicy*(policy);  
 Connection connection=**null**;  
 **try** {  
 Class.*forName*(**"net.sourceforge.jtds.jdbc.Driver"**).newInstance();  
 connection= DriverManager.*getConnection*(**"jdbc:jtds:sqlserver://192.168.43.80/Student;user=sa;password=admin123"**);  
 }  
 **catch**(SQLException se)  
 {  
 Log.*e*(**"ërror here 1: "**,se.getMessage() );  
 }  
 **catch**(ClassNotFoundException e)  
 {  
 Log.*e*(**"error here 2 : "**,e.getMessage());  
 }  
 **catch**(Exception e)  
 {  
 Log.*e*(**"error here 3: "**,e.getMessage());  
 }  
 **return** connection;  
 }  
}

Activity main5.xml:

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main5"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@color/colorPrimary"  
 tools:context="com.example.win81.myapplication.Main5Activity"**>  
  
 <**TextView  
 android:text="REGISTER"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_marginTop="12dp"  
 android:id="@+id/t1"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"** />  
  
 <**TextView  
 android:text="BOARDING POINT"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView3"  
 android:textSize="13dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignTop="@+id/e3"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**TextView  
 android:text="PASSWORD"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView7"  
 android:textSize="15dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignBaseline="@+id/e5"  
 android:layout\_alignBottom="@+id/e5"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:ems="10"  
 android:id="@+id/e5"  
 android:textColor="@color/colorAccent"  
 android:layout\_above="@+id/b1"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginBottom="48dp"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:ems="10"  
 android:id="@+id/e6"  
 android:textColor="@color/colorAccent"  
 android:layout\_above="@+id/b1"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**TextView  
 android:text="CONFIRM\_PASSWORD"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView8"  
 android:textSize="13dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignTop="@+id/e6"  
 android:layout\_toLeftOf="@+id/t1"  
 android:layout\_toStartOf="@+id/t1"** />  
  
 <**TextView  
 android:text="USERNAME"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView6"  
 android:textSize="15dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignBaseline="@+id/e4"  
 android:layout\_alignBottom="@+id/e4"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**TextView  
 android:text="NAME"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t2"  
 android:textSize="15dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignTop="@+id/e1"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**TextView  
 android:text="BUS\_NO."  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView4"  
 android:textSize="15dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignBaseline="@+id/e2"  
 android:layout\_alignBottom="@+id/e2"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="phone"  
 android:ems="10"  
 android:id="@+id/e7"  
 android:layout\_marginTop="14dp"  
 android:textColor="@color/colorAccent"  
 android:layout\_below="@+id/e2"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:ems="10"  
 android:id="@+id/e3"  
 android:textColor="@color/colorAccent"  
 android:layout\_centerVertical="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:textColor="@color/colorAccent"  
 android:ems="10"  
 android:id="@+id/e4"  
 android:layout\_below="@+id/e3"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="15dp"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:textColor="@color/colorAccent"  
 android:ems="10"  
 android:id="@+id/e1"  
 android:layout\_marginTop="17dp"  
 android:layout\_below="@+id/t1"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**TextView  
 android:text="MOBILE\_NO"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView2"  
 android:textSize="13dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignBaseline="@+id/e7"  
 android:layout\_alignBottom="@+id/e7"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:ems="10"  
 android:id="@+id/e2"  
 android:textColor="@color/colorAccent"  
 android:layout\_marginTop="14dp"  
 android:layout\_below="@+id/e1"  
 android:layout\_alignLeft="@+id/e1"  
 android:layout\_alignStart="@+id/e1"  
 android:layout\_marginLeft="13dp"  
 android:layout\_marginStart="13dp"** />  
  
 <**Button  
 android:text="Register"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/b1"  
 android:background="@color/colorAccent"  
 android:layout\_alignParentBottom="true"  
 android:layout\_alignRight="@+id/textView3"  
 android:layout\_alignEnd="@+id/textView3"** />  
  
 <**Button  
 android:text="Clear"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="57dp"  
 android:layout\_marginStart="57dp"  
 android:id="@+id/b2"  
 android:layout\_alignParentBottom="true"  
 android:background="@color/colorAccent"  
 android:layout\_alignLeft="@+id/e2"  
 android:layout\_alignStart="@+id/e2"** />  
  
</**RelativeLayout**>

RiderPage.java:

**package** com.example.win81.myapplication;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
  
**public class** Main6Activity **extends** AppCompatActivity {  
Button **b1**,**b2**,**b3**;  
 EditText **e1**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main6***);  
 **b1**=(Button)findViewById(R.id.***b1***);  
 **b2**=(Button)findViewById(R.id.***b2***);  
 **b3**=(Button)findViewById(R.id.***b3***);  
 **e1**=(EditText)findViewById(R.id.***e1***);  
 **b1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i=**new** Intent(Main6Activity.**this**,Main9Activity.**class**);  
 i.putExtra(**"BUSNO"**,**e1**.getText().toString());  
 startActivity(i);  
  
  
 }  
 });  
 **b2**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i=**new** Intent(Main6Activity.**this**,MapsActivity.**class**);  
 i.putExtra(**"BUSNO"**,**e1**.getText().toString());  
 startActivity(i);  
  
 }  
 });  
 **b3**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i=**new** Intent(Main6Activity.**this**,MainActivity.**class**);  
 startActivity(i);  
 }  
 });  
  
  
 }  
}

Activitymain6.xml:

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main6"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@color/colorPrimary"  
 tools:context="com.example.win81.myapplication.Main6Activity"**>  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:textColor="@color/colorAccent"  
 android:ems="10"  
 android:layout\_marginRight="23dp"  
 android:layout\_marginEnd="23dp"  
 android:id="@+id/e1"  
 android:layout\_alignBaseline="@+id/textView"  
 android:layout\_alignBottom="@+id/textView"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**Button  
 android:text="LOGOUT"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:background="@color/colorAccent"  
 android:id="@+id/b3"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**TextView  
 android:text="BUS-NO:"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_marginTop="45dp"  
 android:id="@+id/textView"  
 android:layout\_below="@+id/b3"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**Button  
 android:text="TRACK"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:background="@color/colorAccent"  
 android:id="@+id/b2"  
 android:layout\_below="@+id/e1"  
 android:layout\_toLeftOf="@+id/b3"  
 android:layout\_toStartOf="@+id/b3"  
 android:layout\_marginTop="45dp"** />  
  
 <**Button  
 android:text="SEARCH"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:background="@color/colorAccent"  
 android:id="@+id/b1"  
 android:layout\_alignBaseline="@+id/b2"  
 android:layout\_alignBottom="@+id/b2"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginLeft="43dp"  
 android:layout\_marginStart="43dp"** />  
</**RelativeLayout**>

AdminRegister.java:

**package** com.example.win81.myapplication;  
  
**import** android.annotation.SuppressLint;  
**import** android.os.StrictMode;  
**import** android.support.v7.app.AlertDialog;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**import** java.sql.Connection;  
**import** java.sql.DriverManager;  
**import** java.sql.SQLException;  
**import** java.sql.Statement;  
  
**public class** Main7Activity **extends** AppCompatActivity {  
 Button **b1**,**b2**;  
 EditText **e1**,**e2**,**e3**,**e4**,**e5**,**e6**;  
 Connection **conn**;  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main7***);  
 **b1**=(Button)findViewById(R.id.***b1***);  
 **e1**=(EditText)findViewById(R.id.***e1***);  
 **e2**=(EditText)findViewById(R.id.***e2***);  
 **e3**=(EditText)findViewById(R.id.***e3***);  
 **e4**=(EditText)findViewById(R.id.***e4***);  
 **e5**=(EditText)findViewById(R.id.***e5***);  
 **e6**=(EditText)findViewById(R.id.***e6***);  
 **b2**=(Button)findViewById(R.id.***b2***);  
 **b1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **try** {  
 **conn**=connectionclass();  
 Statement stmt=**conn**.createStatement();  
 String query=**"insert into admin values('"**+**e1**.getText().toString()+**"','"**+**e2**.getText().toString()+**"','"**+**e3**.getText().toString()+**"','"**+**e4**.getText().toString()+**"','"**+**e5**.getText().toString()+**"')"**;  
 *// String query1="insert into Login values('"+e4.getText().toString()+"','"+e5.getText().toString()+"')";* **int** n=stmt.executeUpdate(query);  
 *// int n1=stmt.executeUpdate(query1);* **if**(n==1)  
 {  
 AlertDialog.Builder d=**new** AlertDialog.Builder(Main7Activity.**this**);  
 d.setTitle(**"ADDED"**);  
 d.setMessage(**"Registered Successfully"**);  
 d.show();  
 }  
 **else** {  
 AlertDialog.Builder d=**new** AlertDialog.Builder(Main7Activity.**this**);  
 d.setTitle(**"ERROR"**);  
 d.setMessage(**"Not Registered"**);  
 d.show();  
 }  
  
  
 }  
 **catch**(Exception e)  
 {  
 Toast.*makeText*(Main7Activity.**this**, e.getMessage() , Toast.***LENGTH\_LONG***).show();  
 }  
  
 }  
 });  
 **b2**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
  
 **e1**.setText(**""**);  
 **e2**.setText(**""**);  
 **e3**.setText(**""**);  
 **e4**.setText(**""**);  
 **e5**.setText(**""**);  
 **e6**.setText(**""**);  
 }  
 });  
  
 }  
 @SuppressLint(**"NewApi"**)  
 **public** Connection connectionclass()  
 {  
 StrictMode.ThreadPolicy policy=**new** StrictMode.ThreadPolicy.Builder().permitAll().build();  
 StrictMode.*setThreadPolicy*(policy);  
 Connection connection=**null**;  
 **try** {  
 Class.*forName*(**"net.sourceforge.jtds.jdbc.Driver"**).newInstance();  
 connection= DriverManager.*getConnection*(**"jdbc:jtds:sqlserver://192.168.43.80/Student;user=sa;password=admin123"**);  
 }  
 **catch**(SQLException se)  
 {  
 Log.*e*(**"ërror here 1: "**,se.getMessage() );  
 }  
 **catch**(ClassNotFoundException e)  
 {  
 Log.*e*(**"error here 2 : "**,e.getMessage());  
 }  
 **catch**(Exception e)  
 {  
 Log.*e*(**"error here 3: "**,e.getMessage());  
 }  
 **return** connection;  
 }  
}

Activitymain7.xml:

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main7"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@color/colorPrimary"  
 tools:context="com.example.win81.myapplication.Main7Activity"**>  
 <**TextView  
 android:text="REGISTER"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_marginTop="12dp"  
 android:id="@+id/t1"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"** />  
  
 <**TextView  
 android:text="NAME"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t2"  
 android:textSize="15dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignBaseline="@+id/e1"  
 android:layout\_alignBottom="@+id/e1"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:textColor="@color/colorAccent"  
 android:ems="10"  
 android:id="@+id/e1"  
 android:layout\_below="@+id/t1"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="18dp"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:ems="10"  
 android:id="@+id/e2"  
 android:textColor="@color/colorAccent"  
 android:layout\_below="@+id/e1"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="21dp"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:ems="10"  
 android:id="@+id/e3"  
 android:layout\_below="@+id/e2"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="20dp"** />  
  
 <**TextView  
 android:text="USERNAME"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView6"  
 android:textSize="15dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_centerVertical="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:textColor="@color/colorAccent"  
 android:ems="10"  
 android:id="@+id/e4"  
 android:layout\_alignTop="@+id/textView6"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:ems="10"  
 android:id="@+id/e5"  
 android:textColor="@color/colorAccent"  
 android:layout\_below="@+id/e4"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="20dp"** />  
  
 <**TextView  
 android:text="PASSWORD"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView7"  
 android:textSize="15dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignTop="@+id/e5"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**TextView  
 android:text="MOBILE\_NO."  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView3"  
 android:textSize="15dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignTop="@+id/e3"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**TextView  
 android:text="DESIGNATION"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView4"  
 android:textSize="15dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignBottom="@+id/e2"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**TextView  
 android:text="CONFIRM\_PASSWORD"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView8"  
 android:textSize="13dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_alignTop="@+id/e6"  
 android:layout\_toStartOf="@+id/e6"  
 android:layout\_toLeftOf="@+id/e6"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:ems="10"  
 android:id="@+id/e6"  
 android:textColor="@color/colorAccent"  
 android:layout\_below="@+id/e5"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="33dp"** />  
  
 <**Button  
 android:text="REGISTER"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/b1"  
 android:background="@color/colorAccent"  
 android:layout\_below="@+id/e6"  
 android:layout\_toLeftOf="@+id/t1"  
 android:layout\_toStartOf="@+id/t1"  
 android:layout\_marginRight="14dp"  
 android:layout\_marginEnd="14dp"** />  
  
 <**Button  
 android:text="CLEAR"  
 android:background="@color/colorAccent"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/e6"  
 android:layout\_alignLeft="@+id/e6"  
 android:layout\_alignStart="@+id/e6"  
 android:layout\_marginLeft="36dp"  
 android:layout\_marginStart="36dp"  
 android:id="@+id/b2"** />  
  
</**RelativeLayout**>

AdminPage.java:

**package** com.example.win81.myapplication;  
  
**import** android.annotation.SuppressLint;  
**import** android.content.Intent;  
**import** android.net.Uri;  
**import** android.os.StrictMode;  
**import** android.support.v7.app.ActionBar;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.support.v7.widget.LinearLayoutCompat;  
**import** android.text.TextUtils;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.LinearLayout;  
**import** android.widget.RelativeLayout;  
**import** android.widget.ScrollView;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** com.google.android.gms.appindexing.Action;  
**import** com.google.android.gms.appindexing.AppIndex;  
**import** com.google.android.gms.appindexing.Thing;  
**import** com.google.android.gms.common.api.GoogleApiClient;  
  
**import** java.sql.Connection;  
**import** java.sql.DriverManager;  
**import** java.sql.SQLException;  
**import** java.sql.Statement;  
  
**public class** Main8Activity **extends** AppCompatActivity {  
 Button **b1**,**b2**,**b3**;  
 EditText **e1**,**e2**;  
Connection **conn**;  
  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main8***);  
  
  
 **b1** = (Button) findViewById(R.id.***b1***);  
 **e1** = (EditText) findViewById(R.id.***e1***);  
 **e2** = (EditText) findViewById(R.id.***e2***);  
 **b2** = (Button) findViewById(R.id.***b2***);  
 **b3** = (Button) findViewById(R.id.***b3***);  
  
 **b1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i=**new** Intent(Main8Activity.**this**,Main10Activity.**class**);  
 i.putExtra(**"Bus\_no"**,**e1**.getText().toString());  
 startActivity(i);  
 }  
 });  
  
 **b2**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
  
  
 **if**(TextUtils.*isEmpty*(**e1**.getText().toString())) {  
 **e1**.setError(**"Enter the Bus Number"**);  
 }  
 **else if**(TextUtils.*isEmpty*(**e2**.getText().toString())) {  
 **e2**.setError(**"Enter the Bus Name"**);  
 }  
 **else** {  
  
 **try** {  
 **conn** = connectionclass();  
 Statement stmt = **conn**.createStatement();  
 String query = **"insert into bus values('"** + **e1**.getText().toString() + **"','"** + **e2**.getText().toString() + **"')"**;  
 **int** n = stmt.executeUpdate(query);  
 **if** (n >= 1) {  
 Toast.*makeText*(Main8Activity.**this**, **"Added Successfully"**, Toast.***LENGTH\_LONG***).show();  
 } **else** {  
 Toast.*makeText*(Main8Activity.**this**, **"Not Added"**, Toast.***LENGTH\_LONG***).show();  
 }  
 } **catch** (Exception e) {  
 Toast.*makeText*(Main8Activity.**this**, e.getMessage(), Toast.***LENGTH\_LONG***).show();  
 }  
 }  
  
  
 }  
 });  
 **b3**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent i=**new** Intent(Main8Activity.**this**,MainActivity.**class**);  
 startActivity(i);  
 }  
 });  
 }  
 @SuppressLint(**"NewApi"**)  
 **public** Connection connectionclass()  
 {  
 StrictMode.ThreadPolicy policy=**new** StrictMode.ThreadPolicy.Builder().permitAll().build();  
 StrictMode.*setThreadPolicy*(policy);  
 Connection connection=**null**;  
 **try** {  
 Class.*forName*(**"net.sourceforge.jtds.jdbc.Driver"**).newInstance();  
 connection= DriverManager.*getConnection*(**"jdbc:jtds:sqlserver://192.168.43.80/Student;user=sa;password=admin123"**);  
 }  
 **catch**(SQLException se)  
 {  
 Log.*e*(**"ërror here 1: "**,se.getMessage() );  
 }  
 **catch**(ClassNotFoundException e)  
 {  
 Log.*e*(**"error here 2 : "**,e.getMessage());  
 }  
 **catch**(Exception e)  
 {  
 Log.*e*(**"error here 3: "**,e.getMessage());  
 }  
 **return** connection;  
 }  
  
}

Activitymain8.xml:

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/linearlayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@color/colorPrimary"  
 tools:context="com.example.win81.myapplication.Main8Activity"  
 android:orientation="vertical"**>  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:ems="10"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/e2"  
 android:layout\_centerVertical="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:ems="10"  
 android:id="@+id/e1"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_above="@+id/e2"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginBottom="36dp"** />  
  
 <**TextView  
 android:text="BUS\_NO"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/t1"  
 android:layout\_alignTop="@+id/e1"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginLeft="12dp"  
 android:layout\_marginStart="12dp"** />  
  
 <**TextView  
 android:text="BUS DETAILS"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView11"  
  
 android:layout\_centerHorizontal="true"** />  
  
 <**Button  
 android:text="Add Boarding Point"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:background="@color/colorAccent"  
 android:id="@+id/b1"  
 android:layout\_below="@+id/e2"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginRight="17dp"  
 android:layout\_marginEnd="17dp"  
 android:layout\_marginTop="37dp"** />  
  
 <**Button  
 android:text="ADD"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:background="@color/colorAccent"  
 android:layout\_alignTop="@+id/b1"  
 android:layout\_toLeftOf="@+id/e2"  
 android:layout\_toStartOf="@+id/e2"  
 android:id="@+id/b2"** />  
  
 <**Button  
 android:text="LOGOUT"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:background="@color/colorAccent"  
 android:id="@+id/b3"  
 android:layout\_below="@+id/textView11"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="21dp"** />  
  
 <**TextView  
 android:text="BUSNAME"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/t2"  
 android:layout\_alignTop="@+id/e2"  
 android:layout\_alignLeft="@+id/t1"  
 android:layout\_alignStart="@+id/t1"** />  
</**RelativeLayout**>

BusRoute.java:

**package** com.example.win81.myapplication;  
  
**import** android.annotation.SuppressLint;  
**import** android.os.StrictMode;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.LinearLayout;  
**import** android.widget.ScrollView;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** java.sql.Connection;  
**import** java.sql.DriverManager;  
**import** java.sql.ResultSet;  
**import** java.sql.SQLException;  
**import** java.sql.Statement;  
  
**public class** Main9Activity **extends** AppCompatActivity {  
 TextView **t1**;  
 Connection **conn**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main9***);  
 **t1**=(TextView)findViewById(R.id.***t1***);  
 **try** {  
 **conn** = connectionclass();  
 Statement stmt = **conn**.createStatement();  
 String query=**"select boarding\_point,timing from stop where bus\_no='"**+getIntent().getStringExtra(**"BUSNO"**)+**"'"**;  
 ResultSet rs=stmt.executeQuery(query);  
 **while**(rs.next())  
 {  
 **t1**.append(rs.getString(1));  
 **t1**.append(**" "**);  
 **t1**.append(rs.getString(2));  
 **t1**.append(**"\n"**);  
 }  
 }  
 **catch**(Exception e)  
 {  
 Toast.*makeText*(Main9Activity.**this**, e.getMessage() , Toast.***LENGTH\_LONG***).show();  
 }  
  
  
  
 }  
 @SuppressLint(**"NewApi"**)  
 **public** Connection connectionclass()  
 {  
 StrictMode.ThreadPolicy policy=**new** StrictMode.ThreadPolicy.Builder().permitAll().build();  
 StrictMode.*setThreadPolicy*(policy);  
 Connection connection=**null**;  
 **try** {  
 Class.*forName*(**"net.sourceforge.jtds.jdbc.Driver"**).newInstance();  
 connection= DriverManager.*getConnection*(**"jdbc:jtds:sqlserver://192.168.43.80/Student;user=sa;password=admin123"**);  
 }  
 **catch**(SQLException se)  
 {  
 Log.*e*(**"ërror here 1: "**,se.getMessage() );  
 }  
 **catch**(ClassNotFoundException e)  
 {  
 Log.*e*(**"error here 2 : "**,e.getMessage());  
 }  
 **catch**(Exception e)  
 {  
 Log.*e*(**"error here 3: "**,e.getMessage());  
 }  
 **return** connection;  
 }  
}

Activitymain9.xml;

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main9"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@color/colorPrimary"  
 tools:context="com.example.win81.myapplication.Main9Activity"**>  
  
  
 <**ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"** >  
 <**TextView  
 android:text=""  
 android:layout\_width="366dp"  
 android:layout\_height="380dp"  
 android:id="@+id/t1"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_centerVertical="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginRight="45dp"  
 android:layout\_marginEnd="45dp"** />  
</**LinearLayout**>  
 </**ScrollView**>  
</**RelativeLayout**>

BoardingPage.java:

**package** com.example.win81.myapplication;  
  
**import** android.annotation.SuppressLint;  
**import** android.os.StrictMode;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**import** java.sql.Connection;  
**import** java.sql.DriverManager;  
**import** java.sql.SQLException;  
**import** java.sql.Statement;  
  
**public class** Main10Activity **extends** AppCompatActivity {  
EditText **e1**,**e2**;  
 Button **b1**,**b2**;  
 Connection **conn**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main10***);  
 **e1**=(EditText)findViewById(R.id.***e1***);  
 **e2**=(EditText)findViewById(R.id.***e2***);  
 **b1**=(Button)findViewById(R.id.***b1***);  
 **b2**=(Button)findViewById(R.id.***b2***);  
 **b1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
  
 **try** {  
 **conn** = connectionclass();  
 Statement stmt = **conn**.createStatement();  
 String query=**"insert into stop values('"**+getIntent().getStringExtra(**"Bus\_no"**)+**"','"**+**e1**.getText().toString()+**"','"**+**e2**.getText().toString()+**"')"**;  
 **int** n=stmt.executeUpdate(query);  
 **if**(n>=1)  
 {  
 Toast.*makeText*(Main10Activity.**this**, **"Added Successfully"** , Toast.***LENGTH\_LONG***).show();  
 }  
 **else** {  
 Toast.*makeText*(Main10Activity.**this**, **"Not Added"** , Toast.***LENGTH\_LONG***).show();  
 }  
 }  
 **catch**(Exception e)  
 {  
 Toast.*makeText*(Main10Activity.**this**, e.getMessage() , Toast.***LENGTH\_LONG***).show();  
 }  
 }  
 });  
 **b2**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **e1**.setText(**""**);  
 **e2**.setText(**""**);  
 }  
 });  
  
 }  
 @SuppressLint(**"NewApi"**)  
 **public** Connection connectionclass()  
 {  
 StrictMode.ThreadPolicy policy=**new** StrictMode.ThreadPolicy.Builder().permitAll().build();  
 StrictMode.*setThreadPolicy*(policy);  
 Connection connection=**null**;  
 **try** {  
 Class.*forName*(**"net.sourceforge.jtds.jdbc.Driver"**).newInstance();  
 connection= DriverManager.*getConnection*(**"jdbc:jtds:sqlserver://192.168.43.80/Student;user=sa;password=admin123"**);  
 }  
 **catch**(SQLException se)  
 {  
 Log.*e*(**"ërror here 1: "**,se.getMessage() );  
 }  
 **catch**(ClassNotFoundException e)  
 {  
 Log.*e*(**"error here 2 : "**,e.getMessage());  
 }  
 **catch**(Exception e)  
 {  
 Log.*e*(**"error here 3: "**,e.getMessage());  
 }  
 **return** connection;  
 }  
  
}

activitymain10.xml:

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main10"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@color/colorPrimary"  
 tools:context="com.example.win81.myapplication.Main10Activity"**>  
  
 <**TextView  
 android:text="Timing"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/textView10"  
 android:layout\_alignBaseline="@+id/e2"  
 android:layout\_alignBottom="@+id/e2"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**TextView  
 android:text="Add Boarding Point"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView9"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginTop="10dp"** />  
  
 <**Button  
 android:text="Add"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="67dp"  
 android:id="@+id/b1"  
 android:background="@color/colorAccent"  
 android:layout\_below="@+id/e2"  
 android:layout\_toLeftOf="@+id/e2"  
 android:layout\_toStartOf="@+id/e2"** />  
  
 <**Button  
 android:text="Clear"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:background="@color/colorAccent"  
 android:id="@+id/b2"  
 android:layout\_alignBaseline="@+id/b1"  
 android:layout\_alignBottom="@+id/b1"  
 android:layout\_toRightOf="@+id/textView9"  
 android:layout\_toEndOf="@+id/textView9"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:ems="10"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/e1"  
 android:layout\_below="@+id/textView9"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginTop="29dp"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:ems="10"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_marginTop="52dp"  
 android:id="@+id/e2"  
 android:layout\_below="@+id/e1"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**TextView  
 android:text="Boarding Point"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/t1"  
 android:layout\_alignBaseline="@+id/e1"  
 android:layout\_alignBottom="@+id/e1"  
 android:layout\_toLeftOf="@+id/e1"  
 android:layout\_toStartOf="@+id/e1"** />  
</**RelativeLayout**>

DriverLogin.java:

**package** com.example.win81.myapplication;  
  
**import** android.annotation.SuppressLint;  
**import** android.content.Intent;  
**import** android.os.StrictMode;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.text.TextUtils;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**import** java.sql.Connection;  
**import** java.sql.DriverManager;  
**import** java.sql.ResultSet;  
**import** java.sql.SQLException;  
**import** java.sql.Statement;  
  
**public class** Main11Activity **extends** AppCompatActivity {  
 Button **b1**;  
 EditText **e1**,**e2**;  
  
 Connection **conn**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main11***);  
 **b1**=(Button)findViewById(R.id.***b1***);  
 **e1**=(EditText)findViewById(R.id.***e1***);  
 **e2**=(EditText)findViewById(R.id.***e2***);  
 **b1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **if**(TextUtils.*isEmpty*(**e1**.getText().toString())) {  
 Toast.*makeText*(Main11Activity.**this**, **"Enter username"**, Toast.***LENGTH\_LONG***).show();  
 }  
 **else if**(TextUtils.*isEmpty*(**e2**.getText().toString())) {  
 Toast.*makeText*(Main11Activity.**this**, **"Enter password"**, Toast.***LENGTH\_LONG***).show();  
 }  
 **else** {  
 **try** {  
 **conn** = connectionclass();  
 Statement stmt = **conn**.createStatement();  
 String query = **"select \* from driver where username='"** + **e1**.getText().toString() + **"' and password='"** + **e2**.getText().toString() + **"'"**;  
 ResultSet rs = stmt.executeQuery(query);  
  
 **if** (rs.next()) {  
 Intent i = **new** Intent(Main11Activity.**this**, Main3Activity.**class**);  
 i.putExtra(**"bus\_no"**,rs.getString(5));  
 i.putExtra(**"uname"**,rs.getString(3));  
 i.putExtra(**"pwd"**,rs.getString(4));  
 startActivity(i);  
 } **else** {  
 Toast.*makeText*(Main11Activity.**this**, **"username,password combination invalid "**, Toast.***LENGTH\_LONG***).show();  
 }  
  
 } **catch** (Exception e) {  
 Toast.*makeText*(Main11Activity.**this**, e.getMessage(), Toast.***LENGTH\_LONG***).show();  
 }  
 }  
 }  
 });  
 }  
 @SuppressLint(**"NewApi"**)  
 **public** Connection connectionclass()  
 {  
 StrictMode.ThreadPolicy policy=**new** StrictMode.ThreadPolicy.Builder().permitAll().build();  
 StrictMode.*setThreadPolicy*(policy);  
 Connection connection=**null**;  
 **try** {  
 Class.*forName*(**"net.sourceforge.jtds.jdbc.Driver"**).newInstance();  
 connection= DriverManager.*getConnection*(**"jdbc:jtds:sqlserver://192.168.43.80/Student;user=sa;password=admin123"**);  
 }  
 **catch**(SQLException se)  
 {  
 Log.*e*(**"ërror here 1: "**,se.getMessage() );  
 }  
 **catch**(ClassNotFoundException e)  
 {  
 Log.*e*(**"error here 2 : "**,e.getMessage());  
 }  
 **catch**(Exception e)  
 {  
 Log.*e*(**"error here 3: "**,e.getMessage());  
 }  
 **return** connection;  
 }  
}

Activitymain11.xml;

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main11"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@color/colorPrimary"  
 tools:context="com.example.win81.myapplication.Main11Activity"**>  
 <**TextView  
 android:text="USERNAME"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/t1"  
 android:layout\_alignBaseline="@+id/e1"  
 android:layout\_alignBottom="@+id/e1"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:ems="10"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/e2"  
 android:layout\_marginTop="56dp"  
 android:layout\_below="@+id/e1"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**TextView  
 android:text="PASSWORD"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/t2"  
 android:layout\_alignBaseline="@+id/e2"  
 android:layout\_alignBottom="@+id/e2"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=""  
 android:ems="10"  
 android:id="@+id/e1"  
 android:textColor="@color/colorAccent"  
 android:layout\_marginTop="47dp"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**TextView  
 android:text="LOGIN"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView5"  
 android:layout\_toRightOf="@+id/b1"  
 android:layout\_toEndOf="@+id/b1"** />  
  
 <**Button  
 android:text="LOGIN"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="62dp"  
 android:id="@+id/b1"  
 android:background="@color/colorAccent"  
 android:layout\_below="@+id/e2"  
 android:layout\_alignLeft="@+id/e2"  
 android:layout\_alignStart="@+id/e2"** />  
  
  
</**RelativeLayout**>

ChangePassword.java;

**package** com.example.win81.myapplication;  
  
**import** android.annotation.SuppressLint;  
**import** android.os.StrictMode;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**import** java.sql.Connection;  
**import** java.sql.DriverManager;  
**import** java.sql.SQLException;  
**import** java.sql.Statement;  
  
**public class** Main12Activity **extends** AppCompatActivity {  
 EditText **e1**,**e2**,**e3**,**e4**;  
 Button **b1**;  
 Connection **conn**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main12***);  
 **e1**=(EditText)findViewById(R.id.***e1***);  
 **e2**=(EditText)findViewById(R.id.***e2***);  
 **e3**=(EditText)findViewById(R.id.***e3***);  
 **e4**=(EditText)findViewById(R.id.***e4***);  
 **b1**=(Button)findViewById(R.id.***b1***);  
 **e1**.setText(getIntent().getStringExtra(**"username"**));  
 **e2**.setText(getIntent().getStringExtra(**"password"**));  
 **b1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **if**(!(**e3**.getText().toString()==**e4**.getText().toString()))  
 {  
 Toast.*makeText*(Main12Activity.**this**,**"New password and Confirm password must be same"**,Toast.***LENGTH\_LONG***).show();  
 }  
 **else** {  
 **try** {  
  
 **conn** = connectionclass();  
 Statement stmt = **conn**.createStatement();  
 String query=**"update driver set password='"**+**e3**.getText().toString()+**"' where bus\_no='"**+**e1**.getText().toString()+**"'"**;  
 **int** n=stmt.executeUpdate(query);  
 **if**(n==1)  
 {  
 Toast.*makeText*(Main12Activity.**this**,**"password changed"**,Toast.***LENGTH\_LONG***).show();  
 }  
 }  
 **catch**(Exception e)  
 {  
 Toast.*makeText*(Main12Activity.**this**,e.getMessage(),Toast.***LENGTH\_LONG***).show();  
 }  
 }  
 }  
 });  
  
 }  
 @SuppressLint(**"NewApi"**)  
 **public** Connection connectionclass()  
 {  
 StrictMode.ThreadPolicy policy=**new** StrictMode.ThreadPolicy.Builder().permitAll().build();  
 StrictMode.*setThreadPolicy*(policy);  
 Connection connection=**null**;  
 **try** {  
 Class.*forName*(**"net.sourceforge.jtds.jdbc.Driver"**).newInstance();  
 connection= DriverManager.*getConnection*(**"jdbc:jtds:sqlserver://192.168.43.80/Student;user=sa;password=admin123"**);  
 }  
 **catch**(SQLException se)  
 {  
 Log.*e*(**"ërror here 1: "**,se.getMessage() );  
 }  
 **catch**(ClassNotFoundException e)  
 {  
 Log.*e*(**"error here 2 : "**,e.getMessage());  
 }  
 **catch**(Exception e)  
 {  
 Log.*e*(**"error here 3: "**,e.getMessage());  
 }  
 **return** connection;  
 }  
}

Activitymain12.xml;

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main12"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@color/colorPrimary"  
 tools:context="com.example.win81.myapplication.Main12Activity"**>  
  
 <**TextView  
 android:text="CHANGE PASSWORD"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/textView12"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"** />  
  
 <**TextView  
 android:text="USERNAME"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/textView12"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_marginLeft="12dp"  
 android:layout\_marginStart="12dp"  
 android:layout\_marginTop="48dp"  
 android:id="@+id/textView13"** />  
  
 <**TextView  
 android:text="NEW PASSWORD"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_centerVertical="true"  
 android:layout\_alignRight="@+id/textView14"  
 android:layout\_alignEnd="@+id/textView14"  
 android:id="@+id/textView15"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPersonName"  
 android:text=" "  
 android:ems="10"  
 android:id="@+id/e1"  
 android:layout\_alignBaseline="@+id/textView13"  
 android:layout\_alignBottom="@+id/textView13"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:ems="10"  
 android:id="@+id/e3"  
 android:layout\_centerVertical="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:ems="10"  
 android:id="@+id/e2"  
 android:layout\_alignBottom="@+id/textView14"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**TextView  
 android:text="CONFIRM PASSWORD"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="35dp"  
 android:id="@+id/textView16"  
 android:layout\_below="@+id/textView15"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_toLeftOf="@+id/e4"  
 android:layout\_toStartOf="@+id/e4"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:ems="10"  
 android:id="@+id/e4"  
 android:layout\_alignBaseline="@+id/textView16"  
 android:layout\_alignBottom="@+id/textView16"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
  
 <**Button  
 android:text="CHANGE"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="16dp"  
 android:id="@+id/b1"  
 android:background="@color/colorAccent"  
 android:layout\_below="@+id/textView16"  
 android:layout\_centerHorizontal="true"** />  
  
 <**TextView  
 android:text="OLD PASSWORD"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textSize="20dp"  
 android:textStyle="bold"  
 android:textColor="@color/colorAccent"  
 android:id="@+id/textView14"  
 android:layout\_below="@+id/e1"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginTop="31dp"  
 android:layout\_alignRight="@+id/textView13"  
 android:layout\_alignEnd="@+id/textView13"** />  
</**RelativeLayout**>

Track.java:

**package** com.example.win81.myapplication;  
  
**import** android.annotation.SuppressLint;  
**import** android.app.Activity;  
**import** android.os.StrictMode;  
**import** android.support.v4.app.FragmentActivity;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.widget.Toast;  
  
**import** com.google.android.gms.maps.CameraUpdateFactory;  
**import** com.google.android.gms.maps.GoogleMap;  
**import** com.google.android.gms.maps.OnMapReadyCallback;  
**import** com.google.android.gms.maps.SupportMapFragment;  
**import** com.google.android.gms.maps.model.LatLng;  
**import** com.google.android.gms.maps.model.MarkerOptions;  
  
**import** java.sql.Connection;  
**import** java.sql.DriverManager;  
**import** java.sql.ResultSet;  
**import** java.sql.SQLException;  
**import** java.sql.Statement;  
  
**public class** MapsActivity **extends** FragmentActivity **implements** OnMapReadyCallback {  
  
 **private** GoogleMap **mMap**;  
 Connection **con**;  
 Double **lt**,**lng**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_maps2***);  
 *// Obtain the SupportMapFragment and get notified when the map is ready to be used.* SupportMapFragment mapFragment = (SupportMapFragment) getSupportFragmentManager()  
 .findFragmentById(R.id.***map***);  
 mapFragment.getMapAsync(**this**);  
 }  
  
  
 */\*\*  
 \* Manipulates the map once available.  
 \* This callback is triggered when the map is ready to be used.  
 \* This is where we can add markers or lines, add listeners or move the camera. In this case,  
 \* we just add a marker near Sydney, Australia.  
 \* If Google Play services is not installed on the device, the user will be prompted to install  
 \* it inside the SupportMapFragment. This method will only be triggered once the user has  
 \* installed Google Play services and returned to the app.  
 \*/* @Override  
 **public void** onMapReady(GoogleMap googleMap) {  
 **mMap** = googleMap;  
  
 **try** {  
 **con** = connectionclass();  
 Statement stmt = **con**.createStatement();  
 String query=**"select latitude,longitude from driver1 where bus\_no='"**+getIntent().getStringExtra(**"BUSNO"**)+**"'"**;  
 ResultSet rs=stmt.executeQuery(query);  
 **if**(rs.next())  
 {  
  
 }  
 **lt**=Double.*parseDouble*(rs.getString(1));  
 **lng**=Double.*parseDouble*(rs.getString(2));  
  
 }  
 **catch**(Exception e)  
 {  
 Toast.*makeText*(MapsActivity.**this**, e.getMessage() , Toast.***LENGTH\_LONG***).show();  
 }  
  
 **mMap**.addMarker(**new** MarkerOptions().position(**new** LatLng(**lt**,**lng**)).title(**"Marker in Sydney"**));  
 **mMap**.moveCamera(CameraUpdateFactory.*newLatLng*(**new** LatLng(**lt**,**lng**)));  
 **mMap**.animateCamera(CameraUpdateFactory .*zoomTo*(16));  
 }  
 @SuppressLint(**"NewApi"**)  
 **public** Connection connectionclass()  
 {  
 StrictMode.ThreadPolicy policy=**new** StrictMode.ThreadPolicy.Builder().permitAll().build();  
 StrictMode.*setThreadPolicy*(policy);  
 Connection connection=**null**;  
 **try** {  
 Class.*forName*(**"net.sourceforge.jtds.jdbc.Driver"**).newInstance();  
 connection= DriverManager.*getConnection*(**"jdbc:jtds:sqlserver://192.168.43.80/Student;user=sa;password=admin123"**);  
 }  
 **catch**(SQLException se)  
 {  
 Log.*e*(**"ërror here 1: "**,se.getMessage() );  
 }  
 **catch**(ClassNotFoundException e)  
 {  
 Log.*e*(**"error here 2 : "**,e.getMessage());  
 }  
 **catch**(Exception e)  
 {  
 Log.*e*(**"error here 3: "**,e.getMessage());  
 }  
 **return** connection;  
 }  
  
}

MapsActivity.xml:

<**fragment xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:map="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/map"  
 android:name="com.google.android.gms.maps.SupportMapFragment"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context="com.example.win81.myapplication.MapsActivity"** />

Android mainfest.xml:

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.win81.myapplication"**>  
  
 <**uses-permission android:name="android.permission.INTERNET"** />  
 <**uses-permission android:name="android.permission.ACCESS\_NETWORK\_STATE"** />  
 <**uses-permission android:name="android.permission.ACCESS\_WIFI\_STATE"** />  
 <**uses-permission android:name="android.permission.ACCESS\_COARSE\_LOCATION"** />  
 <**uses-permission android:name="android.permission.ACCESS\_FINE\_LOCATION"** />  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@drawable/bus"  
 android:label="REC BUS TRACKER"  
 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=".Main2Activity"** />  
 <**activity android:name=".Main3Activity"** />  
 <**activity android:name=".Main4Activity"** />  
 <**activity android:name=".Main5Activity"** />  
 <**activity android:name=".Main6Activity"** />  
 <**activity android:name=".Main7Activity"** />  
 <**activity android:name=".Main8Activity"** />  
 <**activity android:name=".Main9Activity"** />  
 *<!--  
 The API key for Google Maps-based APIs is defined as a string resource.  
 (See the file "res/values/google\_maps\_api.xml").  
 Note that the API key is linked to the encryption key used to sign the APK.  
 You need a different API key for each encryption key, including the release key that is used to  
 sign the APK for publishing.  
 You can define the keys for the debug and release targets in src/debug/ and src/release/.   
 -->* <**meta-data  
 android:name="com.google.android.geo.API\_KEY"  
 android:value="@string/google\_maps\_key"** />  
  
 <**activity  
 android:name=".MapsActivity"  
 android:label="@string/title\_activity\_maps"** />  
 *<!--  
 ATTENTION: This was auto-generated to add Google Play services to your project for  
 App Indexing. See https://g.co/AppIndexing/AndroidStudio for more information.  
 -->* <**meta-data  
 android:name="com.google.android.gms.version"  
 android:value="@integer/google\_play\_services\_version"** />  
  
 <**activity android:name=".Main10Activity"** />  
 <**activity android:name=".Main11Activity"** />  
 <**activity android:name=".Main12Activity"**></**activity**>  
 </**application**>  
  
</**manifest**>