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| Exchange Application |
| Yavuz Çiçek |
| 211110024 |



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2022-2023 GÜZ DÖNEMİ

BİLGİSAYAR PROGRAMCILIĞI 2. ÖĞRETİM

BLP211 MOBİL UYGULAMALAR

Gedik Meslek Yüksekokulu

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**Proje Özeti**

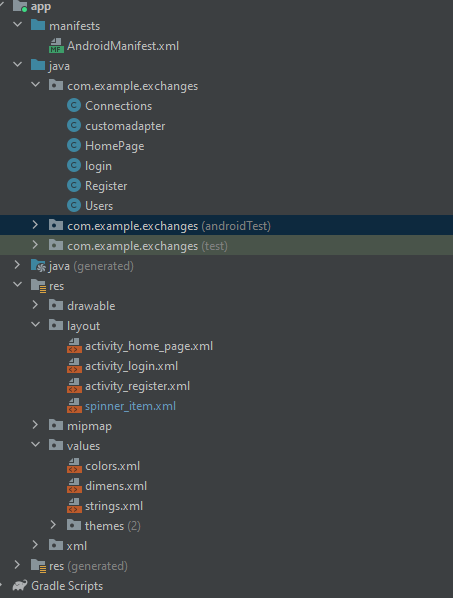
Uygulamaya girmeden önce kayıt olmalısınız Olduktan sonrada giriş sayfasında bir ülke seçmelisiniz ve o ülkeye görede hisse senetleri karşınıza gelmekte. Burdan sonra alım/satım yapabilirsiniz. Eklenicek özellikler arasında hissenin grafiği,Coinler ve hali hazırda bitmemiş sayfalar

Java

* Connections.java
* CustomAdapter.java
* HomePage.java
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* Register.Java
* Users.java

Layout

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* Activity\_login.xml
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* Spinner\_item.xml
* Activity\_userInfo.xml



Connections.java

public class Connections extends HomePage {  
 private static OkHttpClient *client*;  
 private static String *url*,*name*,*price*,*myresponse*;  
 private static Request *request*;  
 private static Document *document*;  
  
 public void ConnectionDB() {  
 var binding = ActivityHomePageBinding.*inflate*(getLayoutInflater());  
 try {  
 // JDBC sürücüsünü yükle  
 Class.*forName*("com.mysql.jdbc.Driver");  
  
 // Bağlantı dizesini oluştur  
 String url = "jdbc:mysql://127.0.0.1:3306/androiddb";  
  
 // Veritabanına bağlanmak için Connection sınıfını kullan  
 Connection conn = DriverManager.*getConnection*(url, "root", "123456");  
  
 // SQL sorgusunu oluşturun ve veritabanında çalıştır  
 String sql = "SELECT \* FROM users";  
 Statement stmt = conn.createStatement();  
 ResultSet rs = stmt.executeQuery(sql);  
  
 // Sonuçları yazdır  
 while (rs.next()) {  
 binding.textName.setText(rs.getInt("UserId") + "\t" +  
 rs.getString("TC") + "\t" +  
 rs.getString("Password"));  
 }  
 }  
 catch (SQLException e) {  
 e.printStackTrace();  
 } catch (ClassNotFoundException e) {  
 e.printStackTrace();  
 }  
 }

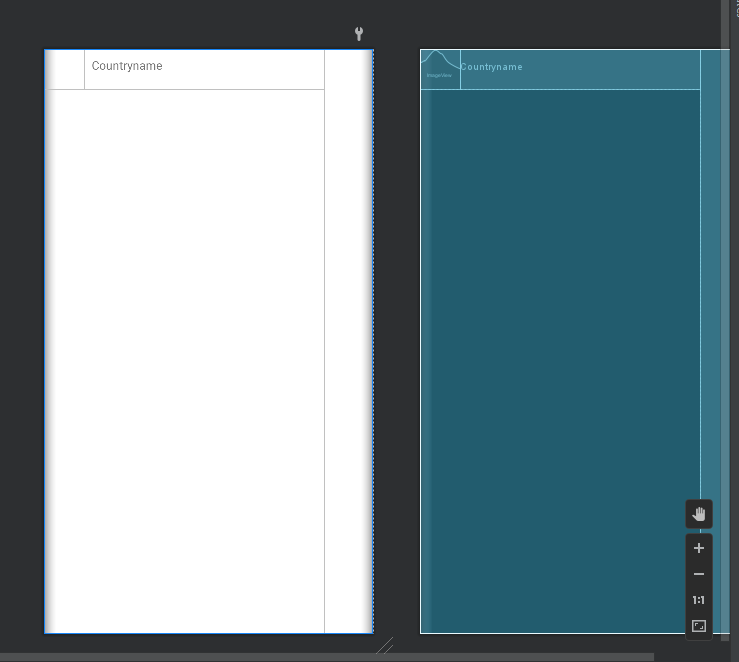
rs.getString("Password"));  
 }  
 }  
 catch (SQLException e) {  
 e.printStackTrace();  
 } catch (ClassNotFoundException e) {  
 e.printStackTrace();  
 }  
 }

CustomAdapter.java

public class customadapter extends ArrayAdapter<String>  
  
{  
  
 Context c;  
  
 String[] names;  
  
 int[] images;  
  
  
  
  
  
 public customadapter(Context context, String[] names, int[] images) {  
  
 super(context, R.layout.*spinner\_item*,names);  
  
 this.c = context;  
  
 this.names = names;  
  
 this.images = images;  
  
 }  
  
  
  
 @Override  
 public View getDropDownView(int position, @Nullable View convertView, @NonNull ViewGroup parent) {  
  
  
  
 LayoutInflater inflater = (LayoutInflater)c.getSystemService(Context.*LAYOUT\_INFLATER\_SERVICE*);  
  
 View row = inflater.inflate(R.layout.*spinner\_item*,null);  
  
 TextView t1 = (TextView)row.findViewById(R.id.*text*);  
  
 ImageView i1 = (ImageView) row.findViewById(R.id.*imge*);  
  
  
  
 t1.setText(names[position]);  
  
 i1.setImageResource(images[position]);  
  
  
  
 return row;  
  
 }  
  
  
  
 @NonNull  
  
 @Override  
  
 public View getView(int position, View convertView, ViewGroup parent) {  
  
 LayoutInflater inflater = (LayoutInflater)c.getSystemService(Context.*LAYOUT\_INFLATER\_SERVICE*);  
  
 View row = inflater.inflate(R.layout.*spinner\_item*,null);  
  
 TextView t1 = (TextView)row.findViewById(R.id.*text*);  
  
 ImageView i1 = (ImageView) row.findViewById(R.id.*imge*);  
  
  
  
 t1.setText(names[position]);  
  
 i1.setImageResource(images[position]);  
  
  
  
 return row;  
  
 }

Spinner\_item.xml

<LinearLayout  
  
 xmlns:android="http://schemas.android.com/apk/res/android" android:layout\_width="match\_parent"  
  
 android:layout\_height="match\_parent"  
  
 android:orientation="horizontal">  
  
  
  
 <ImageView  
  
 android:id="@+id/imge"  
  
 android:layout\_width="50dp"  
  
 android:layout\_height="50dp"/>  
  
 <TextView  
  
 android:id="@+id/text"  
  
 android:layout\_width="300dp"  
  
 android:layout\_height="50dp"  
  
 android:text="Countryname"  
  
 android:textSize="15sp"  
  
 android:padding="10dp"  
  
 />  
 <RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
   
 >  
  
 </RelativeLayout>  
  
  
</LinearLayout>

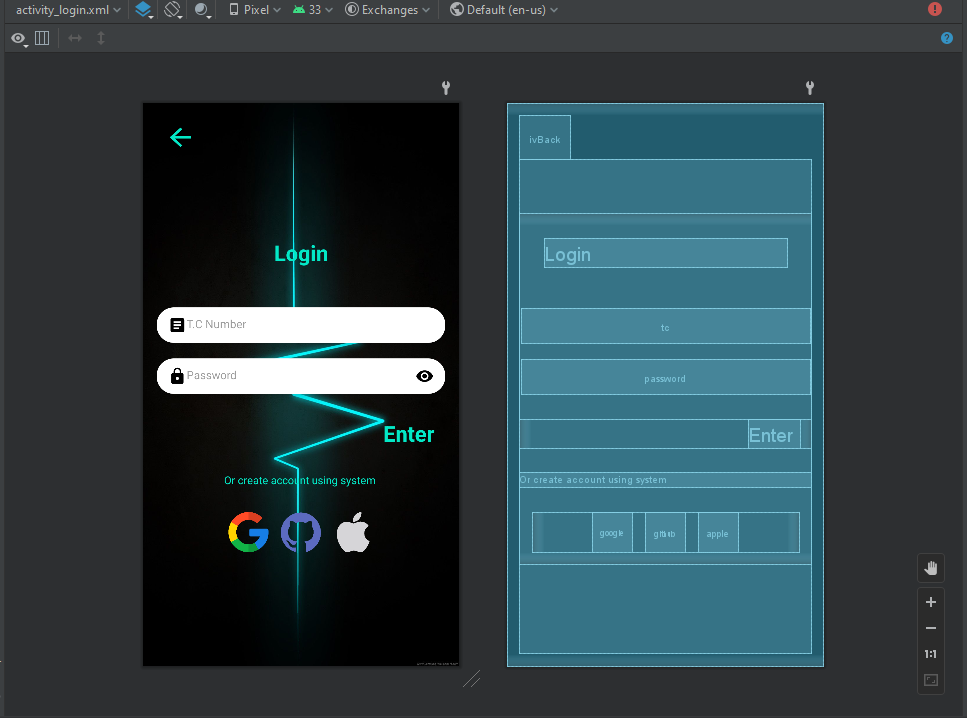


Login.java

public class login extends AppCompatActivity {  
  
 private EditText tc,password;  
 private String tc\_,passWord,trueUsername="Yavuz",truePassword="1234";  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
  
 var binding = ActivityLoginBinding.*inflate*(getLayoutInflater());  
 var viewRoot = binding.getRoot();  
  
 tc = (EditText) findViewById(R.id.*tc*);  
 password = (EditText) findViewById(R.id.*password*);  
 setContentView(viewRoot);  
 }  
 public void backCreate(View v){  
 Intent intent = new Intent(login.this,Register.class);  
 startActivity(intent);  
 }  
 public void enter(View v){  
 tc\_ = tc.getText().toString();  
 passWord = password.getText().toString();  
 AlertDialog.Builder builder = new AlertDialog.Builder(login.this);  
 FirebaseDatabase database = FirebaseDatabase.*getInstance*();  
 DatabaseReference myRef = database.getReference("Personals");  
 AlertDialog alertDialog;  
 var binding = ActivityLoginBinding.*inflate*(getLayoutInflater());  
 var viewRoot = binding.getRoot();  
  
 if (!TextUtils.*isEmpty*(tc\_)){  
 if (!TextUtils.*isEmpty*(passWord)){  
 myRef.addValueEventListener(new ValueEventListener() {  
 @Override  
 public void onDataChange(@NonNull DataSnapshot snapshot) {  
 for (DataSnapshot i : snapshot.getChildren()) {  
 var tc\_\_ = i.child("Email");  
 var password\_\_ = i.child("Password");  
 if (tc\_\_.getValue().equals(tc\_)){  
 if (password\_\_.getValue().equals(passWord)){  
 if (binding.login.isEnabled()){  
 Intent intent = new Intent(login.this,HomePage.class);  
 intent.putExtra("Username",tc\_);  
 startActivity(intent);  
 }  
 }  
 else {  
 binding.password.setError("Enter the valid password");  
 }  
 }  
 else {  
 binding.tc.setError("Enter the valid T.C");  
 }  
 }  
 }  
  
 @Override  
 public void onCancelled(@NonNull DatabaseError error) {  
  
 }  
 });  
  
 }  
 else {  
 builder.setTitle("Password Must Not Be Empty !");  
 builder.setCancelable(false);  
 builder.setIcon(R.mipmap.*ic\_launcher\_round*);  
 builder.setPositiveButton("Try", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialog, int which) {  
 Intent intent = new Intent(login.this,login.class);  
 startActivity(intent);  
 }  
 });  
 builder.setNegativeButton("Exit", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialog, int which) {  
 dialog.dismiss();  
 }  
 });  
 alertDialog = builder.create();  
 alertDialog.show();  
 }  
 }  
 else {  
 builder.setTitle("Username Must Not Be Empty !");  
 builder.setCancelable(false);  
 builder.setIcon(R.mipmap.*ic\_launcher\_round*);  
 builder.setPositiveButton("Try", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialog, int which) {  
 Intent intent = new Intent(login.this,login.class);  
 startActivity(intent);  
 }  
 });  
 builder.setNegativeButton("Exit", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialog, int which) {  
 dialog.dismiss();  
 }  
 });  
 alertDialog = builder.create();  
 alertDialog.show();  
 }  
 }  
}

Activity\_login.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 xmlns:tools="http://schemas.android.com/tools"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:background="@drawable/exchange"  
 android:padding="16dp"  
 android:orientation="vertical">  
 <ImageButton  
 android:id="@+id/ivBack"  
 android:backgroundTint="#000"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:src="@drawable/ic\_baseline\_arrow\_back\_24"  
 android:onClick="backCreate"/>  
  
 <ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 android:layout\_marginTop="70dp"  
 xmlns:app="http://schemas.android.com/apk/res-auto">  
  
  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="32dp"  
 android:gravity="center"  
 android:text="Login"  
 android:textColor="#03E8C6"  
 android:textSize="28sp"  
 android:textStyle="bold" />  
  
  
  
 <EditText  
 android:id="@id/tc"  
 android:layout\_width="match\_parent"  
 android:layout\_height="46dp"  
 android:layout\_marginLeft="2dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="2dp"  
 android:background="@drawable/register\_edittext\_background"  
 android:drawableLeft="@drawable/ic\_baseline\_article\_24"  
 android:elevation="8dp"  
 android:hint="T.C Number"  
 android:inputType="textPersonName"  
 android:padding="15dp"  
 android:paddingRight="15dp"  
 android:textSize="15sp" />  
  
  
 <EditText  
 android:id="@+id/password"  
 android:layout\_width="match\_parent"  
 android:layout\_height="46dp"  
 android:textSize="15sp"  
 android:inputType="textPassword"  
 android:hint="Password"  
 android:layout\_marginLeft="2dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="2dp"  
 android:background="@drawable/register\_edittext\_background"  
 android:drawableLeft="@drawable/ic\_baseline\_lock\_24"  
 android:drawableRight="@drawable/ic\_baseline\_remove\_red\_eye\_24"  
 android:elevation="8dp"  
 android:padding="15dp"  
 android:paddingRight="15dp"/>  
  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="32dp"  
 android:gravity="right|center"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/login"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginRight="16dp"  
 android:text="Enter"  
 android:clickable="true"  
 android:textSize="28sp"  
 android:textColor="#03E8C6"  
 android:textStyle="bold" />  
 </LinearLayout>  
 <TextView  
 android:layout\_width="match\_parent"  
 android:gravity="center"  
 android:layout\_height="wrap\_content"  
 android:textColor="#03E8C6"  
 android:layout\_marginTop="32dp"  
 android:layout\_marginBottom="16dp"  
 android:text="Or create account using system "/>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:gravity="center"  
 android:layout\_margin="16dp">  
 <ImageButton  
 android:id="@+id/google"  
 android:layout\_width="@dimen/path\_bin\_size"  
 android:layout\_height="@dimen/path\_bin\_size"  
 android:background="@drawable/google" />  
 <ImageButton  
 android:id="@+id/github"  
 android:layout\_width="@dimen/path\_bin\_size"  
 android:layout\_height="@dimen/path\_bin\_size"  
 android:background="@drawable/github"  
 android:layout\_marginLeft="16dp"  
 android:layout\_marginRight="16dp"/>  
 <ImageButton  
 android:id="@+id/apple"  
 android:layout\_width="@dimen/path\_bin\_size"  
 android:layout\_height="@dimen/path\_bin\_size"  
 android:background="@drawable/apple"/>  
 </LinearLayout>  
 </LinearLayout>  
 </ScrollView>  
</LinearLayout>

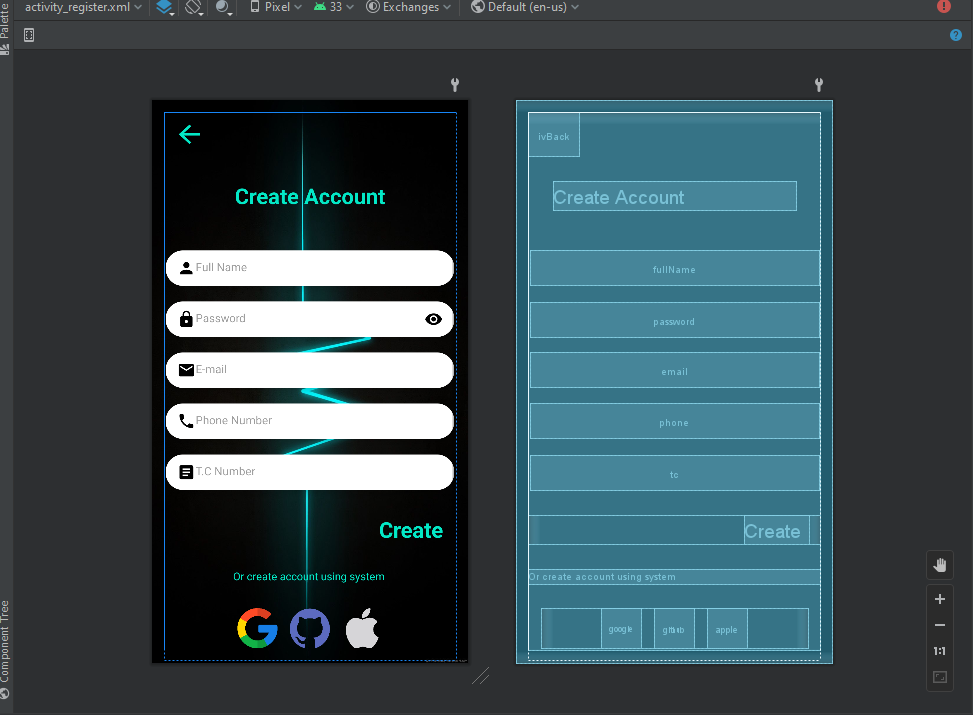


Register.java

public class Register extends AppCompatActivity {  
  
 private String fullName\_,password\_,email\_,phoneNumber\_,tcNumber\_;  
 private EditText fullName;  
 private EditText password;  
 private EditText email;  
 private EditText phoneNumber;  
 private EditText tcNumber;  
 private TextView create;  
 private Intent intent;  
 private int i=1;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
  
 setContentView(R.layout.*activity\_register*);  
 }  
  
 public void loginBack(View v){  
 Intent intent = new Intent(Register.this,login.class);  
 startActivity(intent);  
 }  
 public void create(View view){  
 Users user = new Users();  
  
 FirebaseDatabase database = FirebaseDatabase.*getInstance*();  
 DatabaseReference myRef = database.getReference("Personals");  
  
 create = (TextView) findViewById(R.id.*createAccount*);  
 fullName = (EditText) findViewById(R.id.*fullName*);  
 password = (EditText) findViewById(R.id.*password*);  
 email = (EditText) findViewById(R.id.*email*);  
 phoneNumber = (EditText) findViewById(R.id.*phone*);  
 tcNumber = (EditText) findViewById(R.id.*tc*);  
  
 fullName\_ = fullName.getText().toString();  
 password\_ = password.getText().toString();  
 email\_ = email.getText().toString();  
 phoneNumber\_ = phoneNumber.getText().toString();  
 tcNumber\_ = tcNumber.getText().toString();  
  
  
  
 if (create.isEnabled()) {  
 myRef.child("Personal" + i).child("TC").setValue(user.tc = tcNumber\_);  
 myRef.child("Personal" + i).child("FullName").setValue(user.fullName = fullName\_);  
 myRef.child("Personal" + i).child("Password").setValue(user.password = password\_);  
 myRef.child("Personal" + i).child("Email").setValue(user.email = email\_);  
 myRef.child("Personal" + i).child("Phone").setValue(user.phone = phoneNumber\_);  
 i++;  
 intent = new Intent(Register.this,login.class);  
 startActivity(intent);  
 }  
  
 }  
}

Activity\_register.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:background="@drawable/exchange"  
 android:padding="16dp"  
 android:orientation="vertical">  
  
 <ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical" >  
  
 <ImageButton  
 android:id="@+id/ivBack"  
 android:onClick="loginBack"  
 android:backgroundTint="#000"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:src="@drawable/ic\_baseline\_arrow\_back\_24" />  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="32dp"  
 android:gravity="center"  
 android:text="Create Account"  
 android:textColor="#03E8C6"  
 android:textSize="28sp"  
 android:textStyle="bold" />  
  
 <EditText  
 android:id="@+id/fullName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="46dp"  
 android:textSize="15sp"  
 android:hint="Full Name"  
 android:layout\_marginLeft="2dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="2dp"  
 android:background="@drawable/register\_edittext\_background"  
 android:drawableLeft="@drawable/ic\_baseline\_person\_24"  
 android:elevation="8dp"  
 android:padding="15dp"  
 android:inputType="textPersonName|textCapSentences|textAutoCorrect"  
 android:paddingRight="15dp"/>  
  
 <EditText  
 android:id="@+id/password"  
 android:layout\_width="match\_parent"  
 android:layout\_height="46dp"  
 android:textSize="15sp"  
 android:inputType="textPassword"  
 android:hint="Password"  
 android:layout\_marginLeft="2dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="2dp"  
 android:background="@drawable/register\_edittext\_background"  
 android:drawableLeft="@drawable/ic\_baseline\_lock\_24"  
 android:drawableRight="@drawable/ic\_baseline\_remove\_red\_eye\_24"  
 android:elevation="8dp"  
 android:padding="15dp"  
 android:paddingRight="15dp"/>  
  
 <EditText  
 android:id="@+id/email"  
 android:layout\_width="match\_parent"  
 android:layout\_height="46dp"  
 android:textSize="15sp"  
 android:hint="E-mail"  
 android:inputType="textEmailAddress|textCapSentences|textAutoCorrect"  
 android:layout\_marginLeft="2dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="2dp"  
 android:background="@drawable/register\_edittext\_background"  
 android:drawableLeft="@drawable/ic\_baseline\_email\_24"  
 android:elevation="8dp"  
 android:padding="15dp"  
 android:paddingRight="15dp"/>  
  
 <EditText  
 android:id="@+id/phone"  
 android:layout\_width="match\_parent"  
 android:layout\_height="46dp"  
 android:inputType="phone|textCapSentences|textAutoCorrect"  
 android:hint="Phone Number"  
 android:textSize="15sp"  
 android:layout\_marginLeft="2dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="2dp"  
 android:background="@drawable/register\_edittext\_background"  
 android:drawableLeft="@drawable/ic\_baseline\_phone\_24"  
 android:elevation="8dp"  
 android:padding="15dp"  
 android:paddingRight="15dp"/>  
  
 <EditText  
 android:id="@+id/tc"  
 android:layout\_width="match\_parent"  
 android:layout\_height="46dp"  
 android:inputType="number"  
 android:textSize="15sp"  
 android:hint="T.C Number"  
 android:layout\_marginLeft="2dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="2dp"  
 android:background="@drawable/register\_edittext\_background"  
 android:drawableLeft="@drawable/ic\_baseline\_article\_24"  
 android:elevation="8dp"  
 android:padding="15dp"  
 android:paddingRight="15dp"/>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="32dp"  
 android:gravity="right|center"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/createAccount"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginRight="16dp"  
 android:text="Create"  
 android:clickable="true"  
 android:onClick="create"  
 android:textSize="28sp"  
 android:textColor="#03E8C6"  
 android:textStyle="bold" />  
  
 </LinearLayout>  
 <TextView  
  
 android:layout\_width="match\_parent"  
 android:gravity="center"  
 android:layout\_height="wrap\_content"  
 android:textColor="#03E8C6"  
 android:layout\_marginTop="32dp"  
 android:layout\_marginBottom="16dp"  
 android:text="Or create account using system "/>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:gravity="center"  
 android:layout\_margin="16dp">  
 <ImageButton  
 android:id="@+id/google"  
 android:layout\_width="@dimen/path\_bin\_size"  
 android:layout\_height="@dimen/path\_bin\_size"  
 android:background="@drawable/google" />  
 <ImageButton  
 android:id="@+id/github"  
 android:layout\_width="@dimen/path\_bin\_size"  
 android:layout\_height="@dimen/path\_bin\_size"  
 android:background="@drawable/github"  
 android:layout\_marginLeft="16dp"  
 android:layout\_marginRight="16dp"/>  
 <ImageButton  
 android:id="@+id/apple"  
 android:layout\_width="@dimen/path\_bin\_size"  
 android:layout\_height="@dimen/path\_bin\_size"  
 android:background="@drawable/apple"/>  
 </LinearLayout>  
 </LinearLayout>  
 </ScrollView>  
</LinearLayout>



Users.java

package com.example.exchanges;  
  
public class Users {  
 String fullName;  
 String password;  
 String email;  
 String phone;  
 String tc;  
}