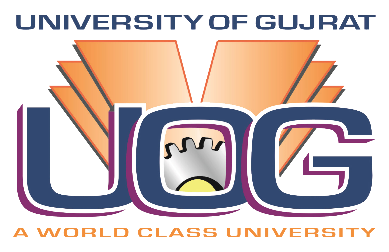
****

**Assignment 2**

**Course:**

Mobile Application Development

**Name:**

Ali Harris(19011519-156)

**Section/Batch:**

CS-19-VI-B

**Instructor:**

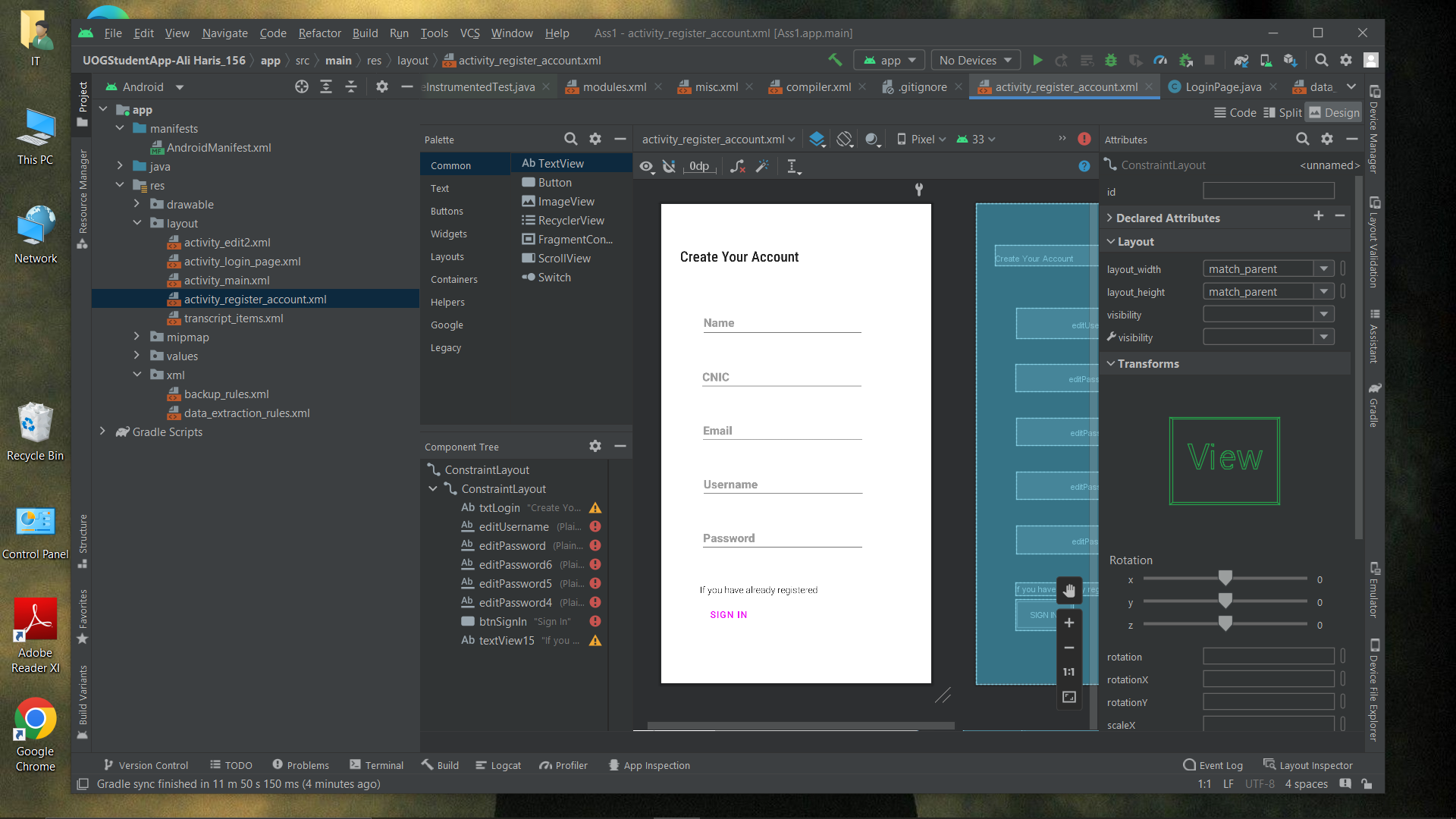
Dr. Muhammad Usman Ali

**DEPARTMENT OF COMPUTR SCIENCE**

**UNIVERSITY OF GUJRAT**

Main Activity

GUI:



XML Main Activity:

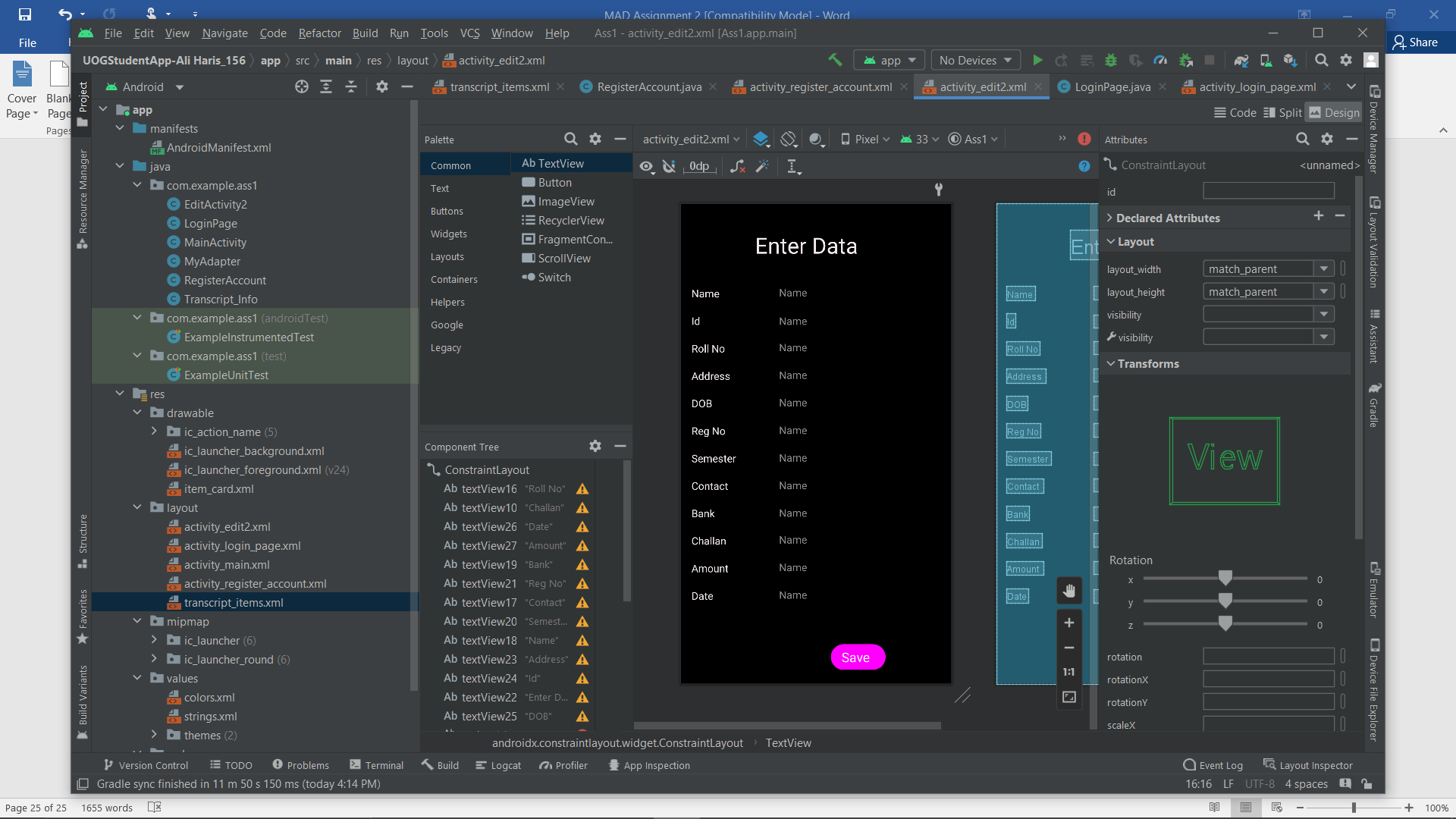
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@color/black"  
 tools:context=".MainActivity">  
  
 <androidx.constraintlayout.widget.ConstraintLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <androidx.recyclerview.widget.RecyclerView  
 android:id="@+id/recyclerview"  
 android:layout\_width="0dp"  
 android:layout\_height="0dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.0" />  
  
 <com.google.android.material.floatingactionbutton.FloatingActionButton  
 android:id="@+id/floatingActionButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="44dp"  
 android:layout\_marginBottom="32dp"  
 android:clickable="true"  
 app:backgroundTint="#A704C3"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:srcCompat="@android:drawable/ic\_input\_add"  
 />  
 </androidx.constraintlayout.widget.ConstraintLayout>  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Main Activity:

package com.example.ass1;  
  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.recyclerview.widget.LinearLayoutManager;  
import androidx.recyclerview.widget.RecyclerView;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Toast;  
  
import com.google.android.material.floatingactionbutton.FloatingActionButton;  
  
import java.util.ArrayList;  
import java.util.List;  
  
public class MainActivity extends AppCompatActivity {  
  
  
 RecyclerView recyclerView;  
 MyAdapter myAdapter;  
 static List *Data* = new ArrayList<Transcript\_Info>();  
 Transcript\_Info mydata=null;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 if (*Data*.isEmpty()) {  
 *Data*.add(new Transcript\_Info("Ali haris", "535058348743", "19011519-156", "Lahore", "30-11-2001", "34299821309", "6", "03157914110", "HBL", "904399", "15000", "23-04-2020"));  
 *Data*.add(new Transcript\_Info("zain", "535068493847", "19011519-045", "Sialkot", "27-03-1999", "32455365467", "6", "03025165611", "HBL", "456728", "15000", "23-04-2020"));  
 }  
  
 mydata=getIntent().getParcelableExtra("model");  
 if (mydata!=null){  
 *Data*.add(mydata);  
 }  
 RecyclerView recyclerView= findViewById(R.id.*recyclerview*);  
 recyclerView.setLayoutManager(new LinearLayoutManager(MainActivity.this));  
 myAdapter = new MyAdapter(*Data*);  
 recyclerView.setAdapter(myAdapter);  
  
  
 FloatingActionButton fBtn1 = findViewById(R.id.*floatingActionButton*);  
  
 fBtn1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(MainActivity.this,EditActivity2.class);  
 startActivity(intent);  
  
 }  
 });  
  
  
 }  
}

:Edit Activity:

Gui:



Code:

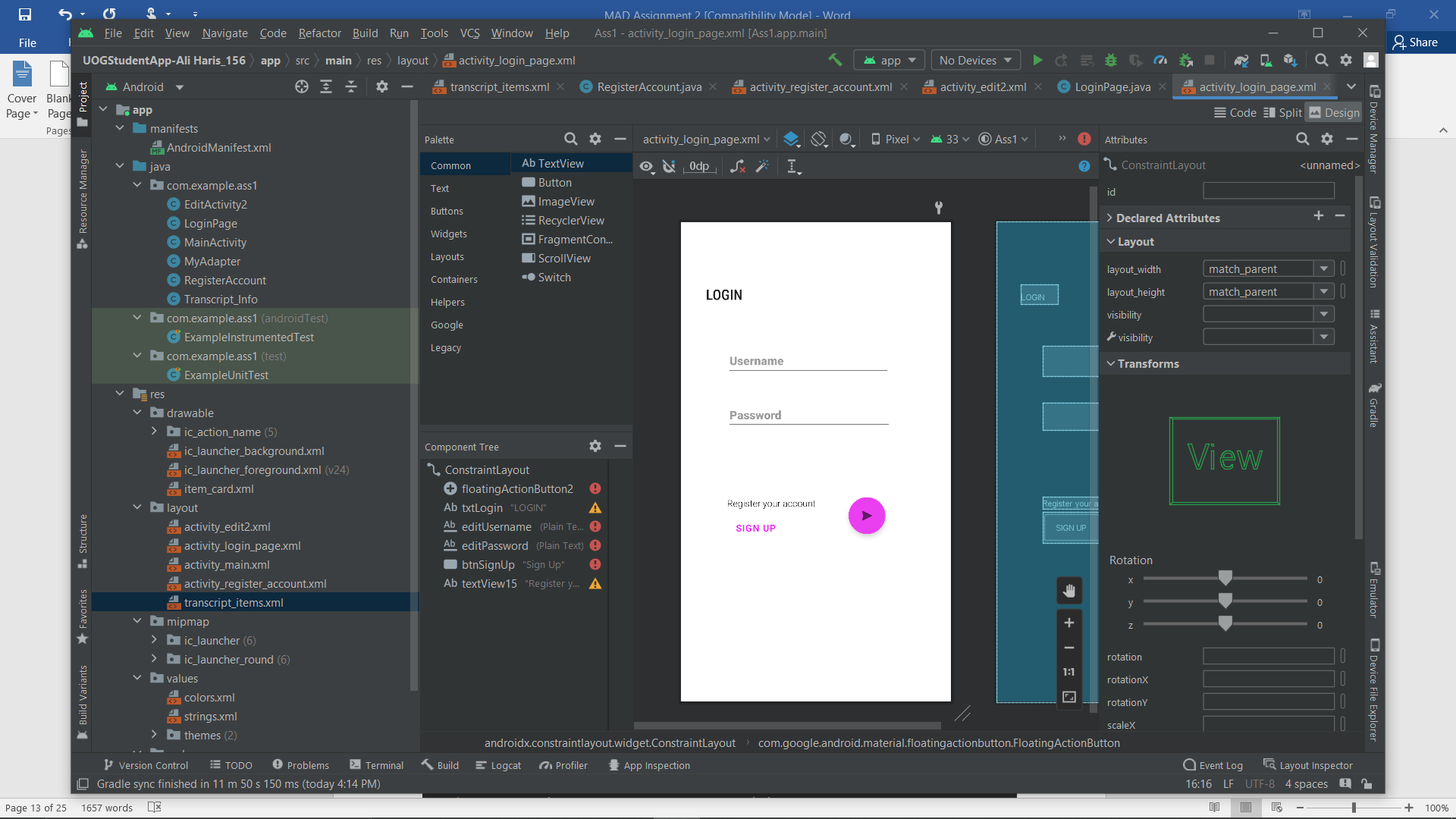
package com.example.ass1;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.os.Parcelable;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
import com.google.android.material.floatingactionbutton.FloatingActionButton;  
  
public class EditActivity2 extends AppCompatActivity {  
  
 Button btnSave;  
 Transcript\_Info data;  
 EditText []txt = new EditText[12];  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_edit2*);  
  
 btnSave = findViewById(R.id.*Save\_button*);  
  
 txt[0]=findViewById(R.id.*txt1*);  
 txt[1]=findViewById(R.id.*txt2*);  
 txt[2]=findViewById(R.id.*txt3*);  
 txt[3]=findViewById(R.id.*txt4*);  
 txt[4]=findViewById(R.id.*txt5*);  
 txt[5]=findViewById(R.id.*txt6*);  
 txt[6]=findViewById(R.id.*txt7*);  
 txt[7]=findViewById(R.id.*txt8*);  
 txt[8]=findViewById(R.id.*txt9*);  
 txt[9]=findViewById(R.id.*txt10*);  
 txt[10]=findViewById(R.id.*txt11*);  
 txt[11]=findViewById(R.id.*txt12*);  
  
  
//////////////////////////////////////////////////////////////////  
 btnSave.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 data=getdatafromUI();  
 Intent intent = new Intent(EditActivity2.this, MainActivity.class);  
 intent.putExtra("model", (Parcelable) data);  
 startActivity(intent);  
 }  
 });  
/////////////////////////////////////////////////  
  
  
 }  
 public Transcript\_Info getdatafromUI(){  
 return new Transcript\_Info(  
 txt[0].getText().toString(),  
 txt[1].getText().toString(),  
 txt[2].getText().toString(),  
 txt[3].getText().toString(),  
 txt[4].getText().toString(),  
 txt[5].getText().toString(),  
 txt[6].getText().toString(),  
 txt[7].getText().toString(),  
 txt[8].getText().toString(),  
 txt[9].getText().toString(),  
 txt[10].getText().toString(),  
 txt[11].getText().toString()  
 );  
 }  
  
  
}

XML Code for Edit Activity:

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#000000"  
 tools:context=".EditActivity2">  
  
  
 <TextView  
 android:id="@+id/textView16"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="20dp"  
 android:text="Roll No"  
 android:textColor="#F3EBEB"  
 android:textSize="16sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView24" />  
  
 <TextView  
 android:id="@+id/textView10"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="20dp"  
 android:text="Challan"  
 android:textColor="#F3EBEB"  
 android:textSize="16sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView19" />  
  
 <TextView  
 android:id="@+id/textView26"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="20dp"  
 android:text="Date"  
 android:textColor="#F3EBEB"  
 android:textSize="16sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView27" />  
  
 <TextView  
 android:id="@+id/textView27"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="20dp"  
 android:text="Amount"  
 android:textColor="#F3EBEB"  
 android:textSize="16sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView10" />  
  
 <TextView  
 android:id="@+id/textView19"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="20dp"  
 android:text="Bank"  
 android:textColor="#F3EBEB"  
 android:textSize="16sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView17" />  
  
 <TextView  
 android:id="@+id/textView21"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="20dp"  
 android:text="Reg No"  
 android:textColor="#F3EBEB"  
 android:textSize="16sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView25" />  
  
 <TextView  
 android:id="@+id/textView17"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="20dp"  
 android:text="Contact"  
 android:textColor="#F3EBEB"  
 android:textSize="16sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView20" />  
  
 <TextView  
 android:id="@+id/textView20"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="20dp"  
 android:text="Semester"  
 android:textColor="#F3EBEB"  
 android:textSize="16sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView21" />  
  
 <TextView  
 android:id="@+id/textView18"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="40dp"  
 android:text="Name"  
 android:textColor="#F3EBEB"  
 android:textSize="16sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView22" />  
  
 <TextView  
 android:id="@+id/textView23"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="20dp"  
 android:text="Address"  
 android:textColor="#F3EBEB"  
 android:textSize="16sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView16" />  
  
 <TextView  
 android:id="@+id/textView24"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="20dp"  
 android:text="Id"  
 android:textColor="#F3EBEB"  
 android:textSize="16sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView18" />  
  
 <TextView  
 android:id="@+id/textView22"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="167dp"  
 android:layout\_marginTop="40dp"  
 android:layout\_marginEnd="220dp"  
 android:text="Enter Data"  
 android:textColor="#F3EBEB"  
 android:textSize="34sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.41"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
 android:id="@+id/textView25"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="20dp"  
 android:text="DOB"  
 android:textColor="#F3EBEB"  
 android:textSize="16sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView23" />  
  
 <EditText  
 android:id="@+id/txt1"  
 android:layout\_width="222dp"  
 android:layout\_height="20dp"  
 android:layout\_marginTop="40dp"  
 android:layout\_marginEnd="40dp"  
 android:background="@color/black"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:textColor="@color/white"  
 android:textColorHint="#938D8D"  
 android:textSize="16sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView22" />  
  
 <EditText  
 android:id="@+id/txt2"  
 android:layout\_width="222dp"  
 android:layout\_height="0dp"  
 android:layout\_marginTop="169dp"  
 android:layout\_marginBottom="20dp"  
 android:background="@color/black"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:textColor="@color/white"  
 android:textColorHint="#938D8D"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/txt3"  
 app:layout\_constraintEnd\_toEndOf="@+id/txt1"  
 app:layout\_constraintStart\_toStartOf="@+id/txt1"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <EditText  
 android:id="@+id/txt3"  
 android:layout\_width="222dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="22dp"  
 android:background="@color/black"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:textColor="@color/white"  
 android:textColorHint="#938D8D"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/txt4"  
 app:layout\_constraintEnd\_toEndOf="@+id/txt1"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/txt1"  
 app:layout\_constraintTop\_toBottomOf="@+id/txt2" />  
  
 <EditText  
 android:id="@+id/txt4"  
 android:layout\_width="222dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="22dp"  
 android:background="@color/black"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:textColor="@color/white"  
 android:textColorHint="#938D8D"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/txt5"  
 app:layout\_constraintEnd\_toEndOf="@+id/txt1"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/txt1"  
 app:layout\_constraintTop\_toBottomOf="@+id/txt3" />  
  
 <EditText  
 android:id="@+id/txt5"  
 android:layout\_width="222dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="22dp"  
 android:background="@color/black"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:textColor="@color/white"  
 android:textColorHint="#938D8D"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/txt6"  
 app:layout\_constraintEnd\_toEndOf="@+id/txt1"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/txt1"  
 app:layout\_constraintTop\_toBottomOf="@+id/txt4" />  
  
 <EditText  
 android:id="@+id/txt6"  
 android:layout\_width="222dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="22dp"  
 android:background="@color/black"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:textColor="@color/white"  
 android:textColorHint="#938D8D"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/txt7"  
 app:layout\_constraintEnd\_toEndOf="@+id/txt1"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/txt1"  
 app:layout\_constraintTop\_toBottomOf="@+id/txt5" />  
  
 <EditText  
 android:id="@+id/txt7"  
 android:layout\_width="222dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="22dp"  
 android:background="@color/black"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:textColor="@color/white"  
 android:textColorHint="#938D8D"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/txt8"  
 app:layout\_constraintEnd\_toEndOf="@+id/txt1"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/txt1"  
 app:layout\_constraintTop\_toBottomOf="@+id/txt6" />  
  
 <EditText  
 android:id="@+id/txt8"  
 android:layout\_width="222dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="22dp"  
 android:background="@color/black"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:textColor="@color/white"  
 android:textColorHint="#938D8D"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/txt9"  
 app:layout\_constraintEnd\_toEndOf="@+id/txt1"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/txt1"  
 app:layout\_constraintTop\_toBottomOf="@+id/txt7" />  
  
 <EditText  
 android:id="@+id/txt9"  
 android:layout\_width="222dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="21dp"  
 android:background="@color/black"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:textColor="@color/white"  
 android:textColorHint="#938D8D"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/txt10"  
 app:layout\_constraintEnd\_toEndOf="@+id/txt1"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/txt1"  
 app:layout\_constraintTop\_toBottomOf="@+id/txt8" />  
  
 <EditText  
 android:id="@+id/txt10"  
 android:layout\_width="222dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="22dp"  
 android:background="@color/black"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:textColor="@color/white"  
 android:textColorHint="#938D8D"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/txt11"  
 app:layout\_constraintEnd\_toEndOf="@+id/txt1"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/txt1"  
 app:layout\_constraintTop\_toBottomOf="@+id/txt9" />  
  
 <EditText  
 android:id="@+id/txt11"  
 android:layout\_width="222dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="22dp"  
 android:background="@color/black"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:textColor="@color/white"  
 android:textColorHint="#938D8D"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/txt12"  
 app:layout\_constraintEnd\_toEndOf="@+id/txt1"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/txt1"  
 app:layout\_constraintTop\_toBottomOf="@+id/txt10" />  
  
  
 <EditText  
 android:id="@+id/txt12"  
 android:layout\_width="222dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="55dp"  
 android:background="@color/black"  
 android:ems="10"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 android:textColor="@color/white"  
 android:textColorHint="#938D8D"  
 android:textSize="16sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/Save\_button"  
 app:layout\_constraintEnd\_toEndOf="@+id/txt1"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/txt1"  
 app:layout\_constraintTop\_toBottomOf="@+id/txt11" />  
  
 <Button  
 android:id="@+id/Save\_button"  
 style="@style/Widget.Material3.Button.TonalButton.Icon"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="95dp"  
 android:layout\_marginBottom="11dp"  
 android:insetLeft="5dp"  
 android:insetTop="10dp"  
 android:insetRight="5dp"  
 android:insetBottom="10dp"  
 android:text="Save"  
 android:textColor="@color/white"  
 android:textSize="20sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/txt12" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Login Page:

Gui:



Code:

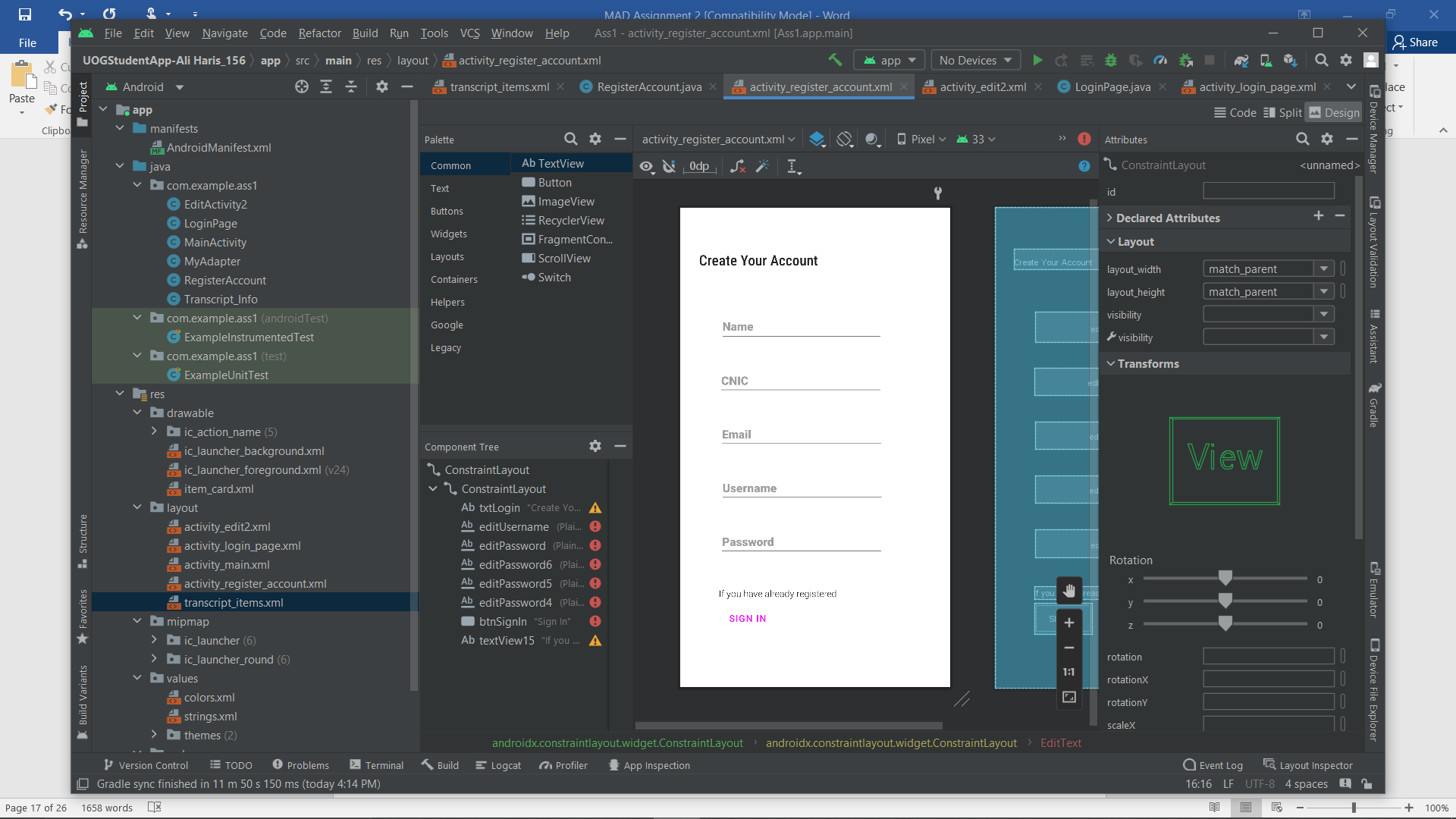
package com.example.ass1;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
  
import com.google.android.material.floatingactionbutton.FloatingActionButton;  
  
public class LoginPage extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_login\_page*);  
  
 EditText editUsername =findViewById(R.id.*editUsername*);  
 EditText editPassword =findViewById(R.id.*editPassword*);  
  
 String str = editUsername.getText().toString();  
 String str1 = editPassword.getText().toString();  
 if (str != null && str1 != null)  
 {  
 findViewById(R.id.*floatingActionButton2*).setOnClickListener(v->{  
 Intent intent = new Intent(LoginPage.this,MainActivity.class);  
 startActivity(intent);  
 finish();  
 });  
 }  
 findViewById(R.id.*btnSignUp*).setOnClickListener(v->{  
 Intent intent = new Intent(LoginPage.this,RegisterAccount.class);  
 startActivity(intent);  
 finish();  
 });  
 }  
}

Xml:

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#FFFFFF"  
 tools:context=".LoginPage">  
  
 <com.google.android.material.floatingactionbutton.FloatingActionButton  
 android:id="@+id/floatingActionButton2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="100dp"  
 android:layout\_marginBottom="256dp"  
 android:clickable="true"  
 app:backgroundTint="#EA3EF1"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:srcCompat="@android:drawable/ic\_menu\_send" />  
  
 <TextView  
 android:id="@+id/txtLogin"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="sans-serif-condensed-medium"  
 android:text="LOGIN"  
 android:textAppearance="@style/TextAppearance.AppCompat.Large"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.107"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.135" />  
  
 <EditText  
 android:id="@+id/editUsername"  
 style="@android:style/Widget.DeviceDefault.Light.AutoCompleteTextView"  
 android:layout\_width="248dp"  
 android:layout\_height="46dp"  
 android:layout\_marginStart="32dp"  
 android:layout\_marginTop="64dp"  
 android:ems="10"  
 android:fontFamily="sans-serif-black"  
 android:hint="Username"  
 android:inputType="textPersonName"  
 app:layout\_constraintStart\_toStartOf="@+id/txtLogin"  
 app:layout\_constraintTop\_toBottomOf="@+id/txtLogin" />  
  
 <EditText  
 android:id="@+id/editPassword"  
 style="@android:style/Widget.DeviceDefault.AutoCompleteTextView"  
 android:layout\_width="250dp"  
 android:layout\_height="42dp"  
 android:layout\_marginTop="40dp"  
 android:ems="10"  
 android:fontFamily="sans-serif-black"  
 android:hint="Password"  
 android:inputType="textPersonName"  
 android:password="true"  
 app:layout\_constraintEnd\_toEndOf="@+id/editUsername"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/editUsername"  
 app:layout\_constraintTop\_toBottomOf="@+id/editUsername" />  
  
 <Button  
 android:id="@+id/btnSignUp"  
 style="@style/Widget.MaterialComponents.Button.TextButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:background="#B2BAE8"  
 android:fontFamily="sans-serif-medium"  
 android:text="Sign Up"  
 android:textColor="#ED09F4"  
 app:layout\_constraintEnd\_toEndOf="@+id/textView15"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/textView15"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView15" />  
  
 <TextView  
 android:id="@+id/textView15"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="sans-serif-light"  
 android:text="Register your account"  
 android:textColor="#000000"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.253"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/editPassword"  
 app:layout\_constraintVertical\_bias="0.258" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Register Account:

Gui:



Code:

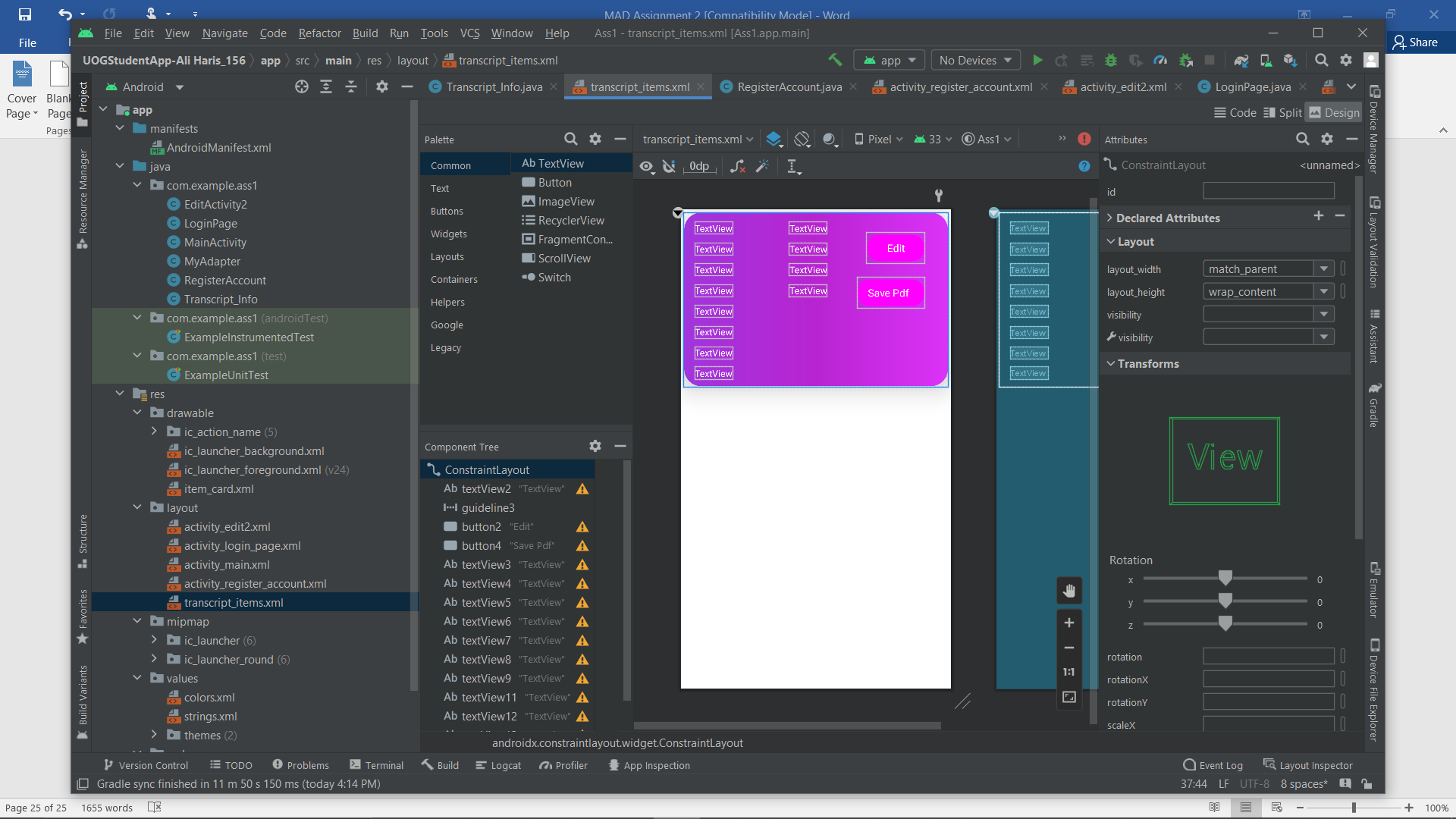
package com.example.ass1;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
  
public class RegisterAccount extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_register\_account*);  
  
 findViewById(R.id.*btnSignIn*).setOnClickListener(v->{  
 Intent intent = new Intent(RegisterAccount.this,LoginPage.class);  
 startActivity(intent);  
 finish();  
 });  
  
  
 }  
}

XML Code:

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".RegisterAccount">  
  
 <androidx.constraintlayout.widget.ConstraintLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#FFFFFF"  
 tools:context=".LoginPage"  
 tools:layout\_editor\_absoluteX="-100dp"  
 tools:layout\_editor\_absoluteY="-27dp">  
  
 <TextView  
 android:id="@+id/txtLogin"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="sans-serif-condensed-medium"  
 android:text="Create Your Account"  
 android:textAppearance="@style/TextAppearance.AppCompat.Large"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.124"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.092" />  
  
 <EditText  
 android:id="@+id/editUsername"  
 style="@android:style/Widget.DeviceDefault.Light.AutoCompleteTextView"  
 android:layout\_width="248dp"  
 android:layout\_height="46dp"  
 android:layout\_marginStart="32dp"  
 android:layout\_marginTop="64dp"  
 android:ems="10"  
 android:fontFamily="sans-serif-black"  
 android:hint="Name"  
 android:inputType="textPersonName"  
 app:layout\_constraintStart\_toStartOf="@+id/txtLogin"  
 app:layout\_constraintTop\_toBottomOf="@+id/txtLogin" />  
  
 <EditText  
 android:id="@+id/editPassword"  
 style="@android:style/Widget.DeviceDefault.AutoCompleteTextView"  
 android:layout\_width="250dp"  
 android:layout\_height="42dp"  
 android:layout\_marginTop="40dp"  
 android:ems="10"  
 android:fontFamily="sans-serif-black"  
 android:hint="Password"  
 android:inputType="textPersonName"  
 app:layout\_constraintEnd\_toEndOf="@+id/editUsername"  
 app:layout\_constraintStart\_toStartOf="@+id/editUsername"  
 app:layout\_constraintTop\_toBottomOf="@+id/editPassword5" />  
  
 <EditText  
 android:id="@+id/editPassword6"  
 style="@android:style/Widget.DeviceDefault.AutoCompleteTextView"  
 android:layout\_width="250dp"  
 android:layout\_height="42dp"  
 android:layout\_marginTop="40dp"  
 android:ems="10"  
 android:fontFamily="sans-serif-black"  
 android:hint="Email"  
 android:inputType="textPersonName"  
 app:layout\_constraintEnd\_toEndOf="@+id/editUsername"  
 app:layout\_constraintStart\_toStartOf="@+id/editUsername"  
 app:layout\_constraintTop\_toBottomOf="@+id/editPassword4" />  
  
 <EditText  
 android:id="@+id/editPassword5"  
 style="@android:style/Widget.DeviceDefault.AutoCompleteTextView"  
 android:layout\_width="250dp"  
 android:layout\_height="42dp"  
 android:layout\_marginTop="40dp"  
 android:ems="10"  
 android:fontFamily="sans-serif-black"  
 android:hint="Username"  
 android:inputType="textPersonName"  
 app:layout\_constraintEnd\_toEndOf="@+id/editUsername"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/editUsername"  
 app:layout\_constraintTop\_toBottomOf="@+id/editPassword6" />  
  
 <EditText  
 android:id="@+id/editPassword4"  
 style="@android:style/Widget.DeviceDefault.AutoCompleteTextView"  
 android:layout\_width="250dp"  
 android:layout\_height="42dp"  
 android:layout\_marginTop="40dp"  
 android:ems="10"  
 android:fontFamily="sans-serif-black"  
 android:hint="CNIC"  
 android:inputType="textPersonName"  
 app:layout\_constraintEnd\_toEndOf="@+id/editUsername"  
 app:layout\_constraintHorizontal\_bias="1.0"  
 app:layout\_constraintStart\_toStartOf="@+id/editUsername"  
 app:layout\_constraintTop\_toBottomOf="@+id/editUsername" />  
  
 <Button  
 android:id="@+id/btnSignIn"  
 style="@style/Widget.MaterialComponents.Button.TextButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="4dp"  
 android:background="#B2BAE8"  
 android:fontFamily="sans-serif-medium"  
 android:text="Sign In"  
 android:textColor="#ED09F4"  
 app:layout\_constraintEnd\_toEndOf="@+id/textView15"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/textView15"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView15" />  
  
 <TextView  
 android:id="@+id/textView15"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="sans-serif-light"  
 android:text="If you have already registered"  
 android:textColor="#000000"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.253"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/editPassword"  
 app:layout\_constraintVertical\_bias="0.258" />  
  
 </androidx.constraintlayout.widget.ConstraintLayout>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Transcript Info:

Gui:



Code:

package com.example.ass1;  
  
import android.os.Parcel;  
import android.os.Parcelable;  
  
public class Transcript\_Info implements Parcelable {  
  
 private String name;  
 private String ID;  
 private String roll;  
 private String address;  
 private String DOB;  
 private String reg;  
 private String semester;  
 private String contact;  
 private String Bank;  
 private String Challan;  
 private String Amount;  
 private String Date;  
  
 public Transcript\_Info(String name, String ID, String roll, String address, String DOB, String reg, String semester, String contact, String bank, String challan, String amount, String date) {  
 this.name = name;  
 this.ID = ID;  
 this.roll = roll;  
 this.address = address;  
 this.DOB = DOB;  
 this.reg = reg;  
 this.semester = semester;  
 this.contact = contact;  
 this.Bank = bank;  
 this.Challan = challan;  
 this.Amount = amount;  
 this.Date = date;  
 }  
  
 protected Transcript\_Info(Parcel in) {  
 name = in.readString();  
 ID = in.readString();  
 roll = in.readString();  
 address = in.readString();  
 DOB = in.readString();  
 reg = in.readString();  
 semester = in.readString();  
 contact = in.readString();  
 Bank = in.readString();  
 Challan = in.readString();  
 Amount = in.readString();  
 Date = in.readString();  
 }  
  
 public static final Creator<Transcript\_Info> *CREATOR* = new Creator<Transcript\_Info>() {  
 @Override  
 public Transcript\_Info createFromParcel(Parcel in) {  
 return new Transcript\_Info(in);  
 }  
  
 @Override  
 public Transcript\_Info[] newArray(int size) {  
 return new Transcript\_Info[size];  
 }  
 };  
  
 public String getName() {  
 return name;  
 }  
  
 public void setName(String name) {  
 this.name = name;  
 }  
  
 public String getID() {  
 return ID;  
 }  
  
 public void setID(String ID) {  
 this.ID = ID;  
 }  
  
 public String getRoll() {  
 return roll;  
 }  
  
 public void setRoll(String roll) {  
 this.roll = roll;  
 }  
  
 public String getAddress() {  
 return address;  
 }  
  
 public void setAddress(String address) {  
 this.address = address;  
 }  
  
 public String getDOB() {  
 return DOB;  
 }  
  
 public void setDOB(String DOB) {  
 this.DOB = DOB;  
 }  
  
 public String getReg() {  
 return reg;  
 }  
  
 public void setReg(String reg) {  
 this.reg = reg;  
 }  
  
 public String getSemester() {  
 return semester;  
 }  
  
 public void setSemester(String semester) {  
 this.semester = semester;  
 }  
  
 public String getContact() {  
 return contact;  
 }  
  
 public void setContact(String contact) {  
 this.contact = contact;  
 }  
  
 public String getBank() {  
 return Bank;  
 }  
  
 public void setBank(String bank) {  
 Bank = bank;  
 }  
  
 public String getChallan() {  
 return Challan;  
 }  
  
 public void setChallan(String challan) {  
 Challan = challan;  
 }  
  
 public String getAmount() {  
 return Amount;  
 }  
  
 public void setAmount(String amount) {  
 Amount = amount;  
 }  
  
 public String getDate() {  
 return Date;  
 }  
  
 public void setDate(String date) {  
 Date = date;  
 }  
  
 @Override  
 public int describeContents() {  
 return 0;  
 }  
  
 @Override  
 public void writeToParcel(Parcel dest, int flags) {  
 dest.writeString(name);  
 dest.writeString(ID);  
 dest.writeString(roll);  
 dest.writeString(address);  
 dest.writeString(DOB);  
 dest.writeString(reg);  
 dest.writeString(semester);  
 dest.writeString(contact);  
 dest.writeString(Bank);  
 dest.writeString(Challan);  
 dest.writeString(Amount);  
 dest.writeString(Date);  
 }  
}

xml code:

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:background="@drawable/item\_card"  
 android:layout\_marginBottom="5dp"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginLeft="5dp"  
 android:layout\_marginRight="5dp"  
 android:elevation="26dp"  
 android:layout\_height="wrap\_content">  
  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="14dp"  
 android:text="TextView"  
 android:textColor="@color/white"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <androidx.constraintlayout.widget.Guideline  
 android:id="@+id/guideline3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 app:layout\_constraintGuide\_end="265dp" />  
  
 <Button  
 android:id="@+id/button2"  
 style="@style/Widget.Material3.Button.TonalButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="30dp"  
 android:layout\_marginEnd="35dp"  
 android:text="Edit"  
 android:textColor="@color/white"  
 android:textSize="16sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <Button  
 android:id="@+id/button4"  
 style="@style/Widget.Material3.Button.TonalButton.Icon"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginEnd="35dp"  
 android:text="Save Pdf"  
 android:textColor="@color/white"  
 android:textSize="16sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/button2" />  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="12dp"  
 android:text="TextView"  
 android:textColor="@color/white"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView2" />  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="12dp"  
 android:text="TextView"  
 android:textColor="@color/white"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView3" />  
  
 <TextView  
 android:id="@+id/textView5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="12dp"  
 android:text="TextView"  
 android:textColor="@color/white"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView4" />  
  
 <TextView  
 android:id="@+id/textView6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="12dp"  
 android:text="TextView"  
 android:textColor="@color/white"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView5" />  
  
 <TextView  
 android:id="@+id/textView7"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="12dp"  
 android:text="TextView"  
 android:textColor="@color/white"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView6" />  
  
 <TextView  
 android:id="@+id/textView8"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="12dp"  
 android:text="TextView"  
 android:textColor="@color/white"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView7" />  
  
 <TextView  
 android:id="@+id/textView9"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="12dp"  
 android:text="TextView"  
 android:textColor="@color/white"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView8" />  
  
 <TextView  
 android:id="@+id/textView11"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="12dp"  
 android:layout\_marginEnd="60dp"  
 android:text="TextView"  
 android:textColor="@color/white"  
 app:layout\_constraintEnd\_toStartOf="@+id/button2"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView" />  
  
 <TextView  
 android:id="@+id/textView12"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="12dp"  
 android:layout\_marginEnd="60dp"  
 android:text="TextView"  
 android:textColor="@color/white"  
 app:layout\_constraintEnd\_toStartOf="@+id/button2"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView11" />  
 <TextView  
 android:id="@+id/textView13"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="12dp"  
 android:layout\_marginEnd="60dp"  
 android:text="TextView"  
 android:textColor="@color/white"  
 app:layout\_constraintEnd\_toStartOf="@+id/button2"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView12" />  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="14dp"  
 android:layout\_marginEnd="60dp"  
 android:text="TextView"  
 android:textColor="@color/white"  
 app:layout\_constraintEnd\_toStartOf="@+id/button2"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 </androidx.constraintlayout.widget.ConstraintLayout>