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**Batch & Roll:** A3-63

**Experiment No.6**

**Title:** To design a registration form using different UI components.

**MainActivity.java**

package com.example.experiment6;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.CheckBox;  
import android.widget.EditText;  
import android.widget.RadioButton;  
import android.widget.RadioGroup;  
import android.widget.Toast;  
  
import java.util.ArrayList;  
  
public class MainActivity extends AppCompatActivity {  
  
 EditText username, password , phone;  
 RadioGroup gendergroup;  
 RadioButton radioButton;  
 CheckBox cybers,androiddevs;  
 Button submit;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 username = findViewById(R.id.*username*);  
 password = findViewById(R.id.*password*);  
 phone = findViewById(R.id.*phone*);  
 gendergroup = findViewById(R.id.*gendergroup*);  
 cybers = findViewById(R.id.*cyber*);  
 androiddevs = findViewById(R.id.*androiddev*);  
 submit = findViewById(R.id.*submit*);  
  
  
 submit.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Intent i = new Intent(MainActivity.this,MainActivity2.class);  
 String uname = username.getText().toString();  
 String pass = password.getText().toString();  
  
 int radioID=gendergroup.getCheckedRadioButtonId();  
 radioButton=findViewById(radioID);  
 String radio = radioButton.getText().toString();  
  
 String domain1 = "";  
 String domain2 = "";  
 if(cybers.isChecked()){  
 domain1 =cybers.getText().toString();  
 }  
 if(androiddevs.isChecked()){  
 domain2 =androiddevs.getText().toString();  
 }  
  
 i.putExtra("name",uname);  
 i.putExtra("password",pass);  
 i.putExtra("gender",radio);  
 i.putExtra("do1",domain1);  
 i.putExtra("do2",domain2);  
 Toast.*makeText*(MainActivity.this, "We are moving to second activity", Toast.*LENGTH\_SHORT*).show();  
 startActivity(i);  
  
  
 }  
 });  
 }  
}

**activity\_main.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:id="@+id/cybersecurity"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <ImageView  
 android:id="@+id/imageView"  
 android:layout\_width="393dp"  
 android:layout\_height="89dp"  
 android:layout\_marginTop="12dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:srcCompat="@drawable/sgu" />  
  
  
 <EditText  
 android:id="@+id/username"  
 android:layout\_width="296dp"  
 android:layout\_height="54dp"  
 android:layout\_marginTop="44dp"  
 android:ems="10"  
 android:hint="Enter Username"  
 android:inputType="textPersonName"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.469"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/imageView" />  
  
 <EditText  
 android:id="@+id/password"  
 android:layout\_width="298dp"  
 android:layout\_height="45dp"  
 android:layout\_marginTop="16dp"  
 android:ems="10"  
 android:hint="Enter Password"  
 android:inputType="textPassword"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.484"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/username" />  
  
 <EditText  
 android:id="@+id/phone"  
 android:layout\_width="299dp"  
 android:layout\_height="50dp"  
 android:layout\_marginTop="16dp"  
 android:ems="10"  
 android:hint="Enter Phone"  
 android:inputType="phone"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.484"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/password" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:text="Gender"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.164"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/phone" />  
  
 <RadioGroup  
 android:id="@+id/gendergroup"  
 android:layout\_width="258dp"  
 android:layout\_height="92dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.425"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView2"  
 app:layout\_constraintVertical\_bias="0.057">  
  
 <RadioButton  
 android:id="@+id/male"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Male" />  
  
 <RadioButton  
 android:id="@+id/female"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Female" />  
 </RadioGroup>  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Interested Areas"  
 android:textSize="24sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.228"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/gendergroup"  
 app:layout\_constraintVertical\_bias="0.145" />  
  
 <CheckBox  
 android:id="@+id/cyber"  
 android:layout\_width="166dp"  
 android:layout\_height="35dp"  
 android:text="Cybersecurity"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.265"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView3"  
 app:layout\_constraintVertical\_bias="0.068" />  
  
 <CheckBox  
 android:id="@+id/androiddev"  
 android:layout\_width="136dp"  
 android:layout\_height="31dp"  
 android:text="Android Dev"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.236"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/cyber"  
 app:layout\_constraintVertical\_bias="0.132" />  
  
 <CheckBox  
 android:id="@+id/checkBox4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Blockchain"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/androiddev"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toEndOf="@+id/androiddev"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <Button  
 android:id="@+id/submit"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="@color/red"  
 android:text="Button"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/androiddev"  
 app:layout\_constraintVertical\_bias="0.764" />  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Register"  
 android:textColor="@color/red"  
 android:textSize="24dp"  
 android:textStyle="bold"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/imageView" />  
</androidx.constraintlayout.widget.ConstraintLayout>

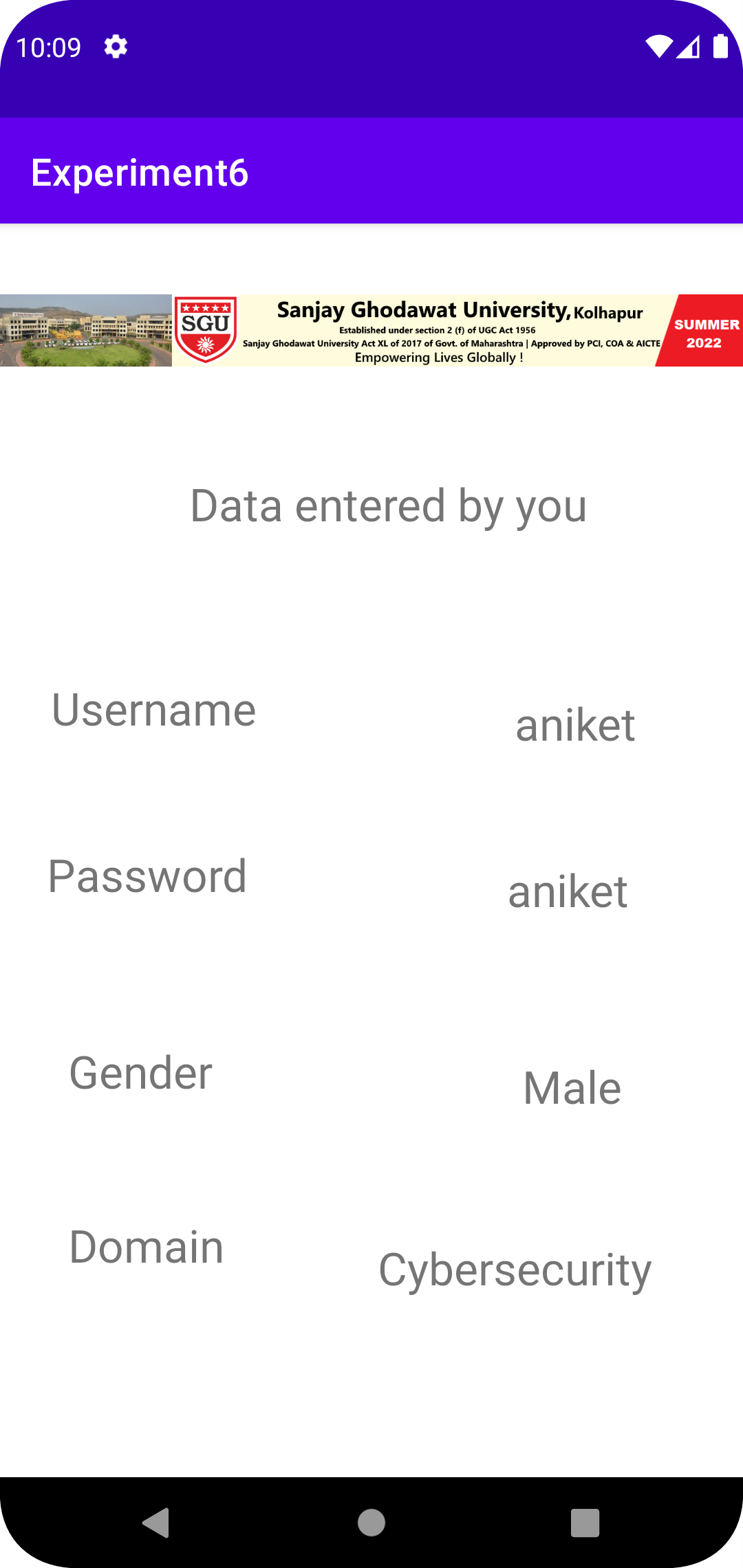
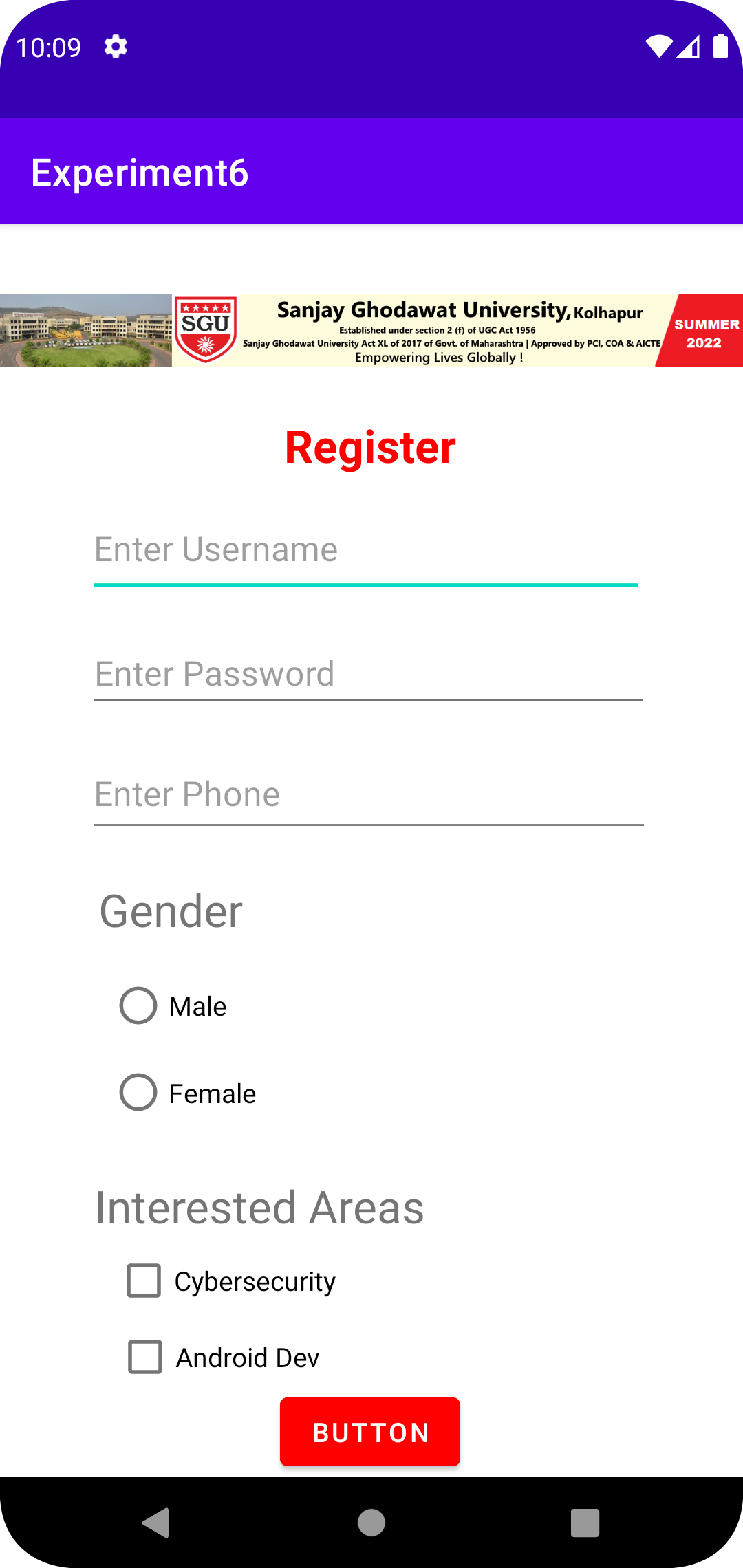
**MainActivity2.java**

package com.example.experiment6;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.widget.TextView;  
  
public class MainActivity2 extends AppCompatActivity {  
 TextView uname,pass,phone,gender,domain1,domain2;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main2*);  
  
 uname = findViewById(R.id.*uname*);  
 pass=findViewById(R.id.*pass*);  
 phone =findViewById(R.id.*phone*);  
 gender = findViewById(R.id.*gender*);  
 domain1=findViewById(R.id.*domain1*);  
 domain2=findViewById(R.id.*domain2*);  
  
 Intent i = getIntent();  
 String username = i.getStringExtra("name").toString();  
 String password = i.getStringExtra("password").toString();  
 String genders = i.getStringExtra("gender").toString();  
 String do1= i.getStringExtra("do1").toString();  
 String do2= i.getStringExtra("do2").toString();  
  
 uname.setText(username);  
 pass.setText(password);  
 gender.setText(genders);  
 domain1.setText(do1);  
 domain2.setText(do2);  
  
 }  
}

**activity\_main2.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"  
 tools:context=".MainActivity2">  
  
 <TextView  
 android:id="@+id/domain2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="412dp"  
 android:layout\_marginEnd="52dp"  
 android:layout\_weight="1"  
 android:text="DM comes here"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView6" />  
  
 <TextView  
 android:id="@+id/domain1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="372dp"  
 android:layout\_marginEnd="48dp"  
 android:layout\_weight="1"  
 android:text="DM comes here"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView6" />  
  
 <TextView  
 android:id="@+id/gender"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="276dp"  
 android:layout\_marginEnd="64dp"  
 android:layout\_weight="1"  
 android:text="GD comes here"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView6" />  
  
 <TextView  
 android:id="@+id/textView8"  
 android:layout\_width="129dp"  
 android:layout\_height="53dp"  
 android:layout\_marginTop="360dp"  
 android:layout\_weight="1"  
 android:text="Domain"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toStartOf="@+id/uname"  
 app:layout\_constraintHorizontal\_bias="0.253"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView6" />  
  
 <TextView  
 android:id="@+id/textView7"  
 android:layout\_width="129dp"  
 android:layout\_height="53dp"  
 android:layout\_marginTop="268dp"  
 android:layout\_weight="1"  
 android:text="Gender"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toStartOf="@+id/uname"  
 app:layout\_constraintHorizontal\_bias="0.253"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView6" />  
  
 <TextView  
 android:id="@+id/pass"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="172dp"  
 android:layout\_marginEnd="60dp"  
 android:layout\_weight="1"  
 android:text="PW comes here"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView6" />  
  
 <TextView  
 android:id="@+id/textView5"  
 android:layout\_width="129dp"  
 android:layout\_height="53dp"  
 android:layout\_marginTop="164dp"  
 android:layout\_weight="1"  
 android:text="Password"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toStartOf="@+id/uname"  
 app:layout\_constraintHorizontal\_bias="0.174"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView6" />  
  
 <ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="393dp"  
 android:layout\_height="89dp"  
 android:layout\_marginTop="12dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:srcCompat="@drawable/sgu" />  
  
 <TextView  
 android:id="@+id/textView6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="100dp"  
 android:layout\_marginTop="132dp"  
 android:text="Data entered by you"  
 android:textSize="24sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
 android:id="@+id/textView11"  
 android:layout\_width="129dp"  
 android:layout\_height="53dp"  
 android:layout\_marginTop="76dp"  
 android:layout\_weight="1"  
 android:text="Username"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toStartOf="@+id/uname"  
 app:layout\_constraintHorizontal\_bias="0.188"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView6" />  
  
 <TextView  
 android:id="@+id/uname"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="84dp"  
 android:layout\_marginEnd="56dp"  
 android:layout\_weight="1"  
 android:text="UN comes here"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView6" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Output:-**

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