Android Activities and Intents

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Task:

1. Make a Registration form using multiple views, when you press submit your application should display a confirmation page with all the data from the form displayed there with two buttons at bottom:
    • **Confirm:** On confirm button show an activity where it says congratulation and the username.
    • **Edit:** On Edit it should go back to the form page where the data already written in textbox should be displayed again and users could edit if wanted to or just could close the app.

Activity_main.xml

```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:app="http://schemas.android.com/apk/res-auto"
    android:background="@drawable/gradient"
    android:orientation="vertical">
    <ImageView
        android:id="@+id/GfG_full_logo"
```

```xml
        android:layout_width="wrap_content"
        android:layout_gravity="center"
        android:layout_height="200dp"
        app:srcCompat="@drawable/registrationform"
        android:contentDescription="@string/todo" />

    <TextView
        android:id="@+id/loginscrn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:text="@string/registration_form"
        android:textColor="#FFFFFF"
        android:textSize="30sp" />

    <TextView
        android:id="@+id/fstTxt"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="100dp"
        android:layout_marginTop="20dp"
        android:fontFamily="sans-serif-condensed"
        android:text="@string/first_name"
        android:textColor="@color/white"
        android:textSize="18sp"
        android:textStyle="bold" />

    <EditText
        android:id="@+id/txtfirstname"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="100dp"
        android:autofillHints=""
        android:hint="@string/enter_first_name"
        android:backgroundTint="@color/white"
        android:ems="10"
        android:inputType="text"
        android:textColor="@color/white"
        android:textColorHint="@color/white"/>

    <TextView
        android:id="@+id/secTxt"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="100dp"
        android:fontFamily="sans-serif-condensed"
        android:text="@string/last_name"
        android:textColor="@color/white"
        android:textSize="18sp"
        android:textStyle="bold" />

    <EditText
        android:id="@+id/txtlastname"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```xml
        android:layout_marginStart="100dp"
        android:autofillHints=""
        android:backgroundTint="@color/white"
        android:ems="10"
        android:inputType="text"
        android:hint="@string/enter_your_last_name"
        android:textColor="@color/white"
        android:textColorHint="@color/white" />

    <TextView
        android:id="@+id/txtemail"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="100dp"
        android:fontFamily="sans-serif-condensed"
        android:text="@string/email"
        android:textColor="@color/white"
        android:textSize="18sp"
        android:textStyle="bold" />

    <EditText
        android:id="@+id/email"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="100dp"
        android:autofillHints=""
        android:backgroundTint="@color/white"
        android:ems="10"
        android:hint="@string/enter_email"
        android:inputType="textEmailAddress"
        android:textColor="@color/white"
        android:textColorHint="@color/white" />

    <TextView
        android:id="@+id/txtgender"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="100dp"
        android:fontFamily="sans-serif-condensed"
        android:text="@string/gender"
        android:textColor="@color/white"
        android:textSize="18sp"
        android:textStyle="bold" />
    <RadioGroup
        android:id="@+id/radiogender"
        android:layout_width="match_parent"
        android:layout_height="90dp"
        android:layout_marginStart="90dp">

        <RadioButton
            android:id="@+id/malech"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:checked="true"
            android:fontFamily="sans-serif-condensed"
```

```xml
            android:text="@string/male"
            android:textColor="@color/white"
            android:textSize="18sp"
            android:textStyle="bold" />

        <RadioButton
            android:id="@+id/femalech"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:fontFamily="sans-serif-condensed"
            android:text="@string/female"
            android:textColor="@color/white"
            android:textSize="18sp"
            android:textStyle="bold" />
    </RadioGroup>
    <TextView
        android:id="@+id/Qualification"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="100dp"
        android:fontFamily="sans-serif-condensed"
        android:text="@string/qualification"
        android:textColor="@color/white"
        android:textSize="18sp"
        android:textStyle="bold" />

    <EditText
        android:id="@+id/quaified"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="100dp"
        android:autofillHints=""
        android:backgroundTint="@color/white"
        android:ems="10"
        android:hint="@string/enter_your_qualification"
        android:inputType="textEmailAddress"
        android:textColor="@color/white"
        android:textColorHint="@color/white" />
    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">
    <Button
        android:id="@+id/btnLogin"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="100dp"
        android:text="@string/register" />
    <Button
        android:id="@+id/closebtn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="230dp"
        android:text="@string/close" />
    </RelativeLayout>
</LinearLayout>
```
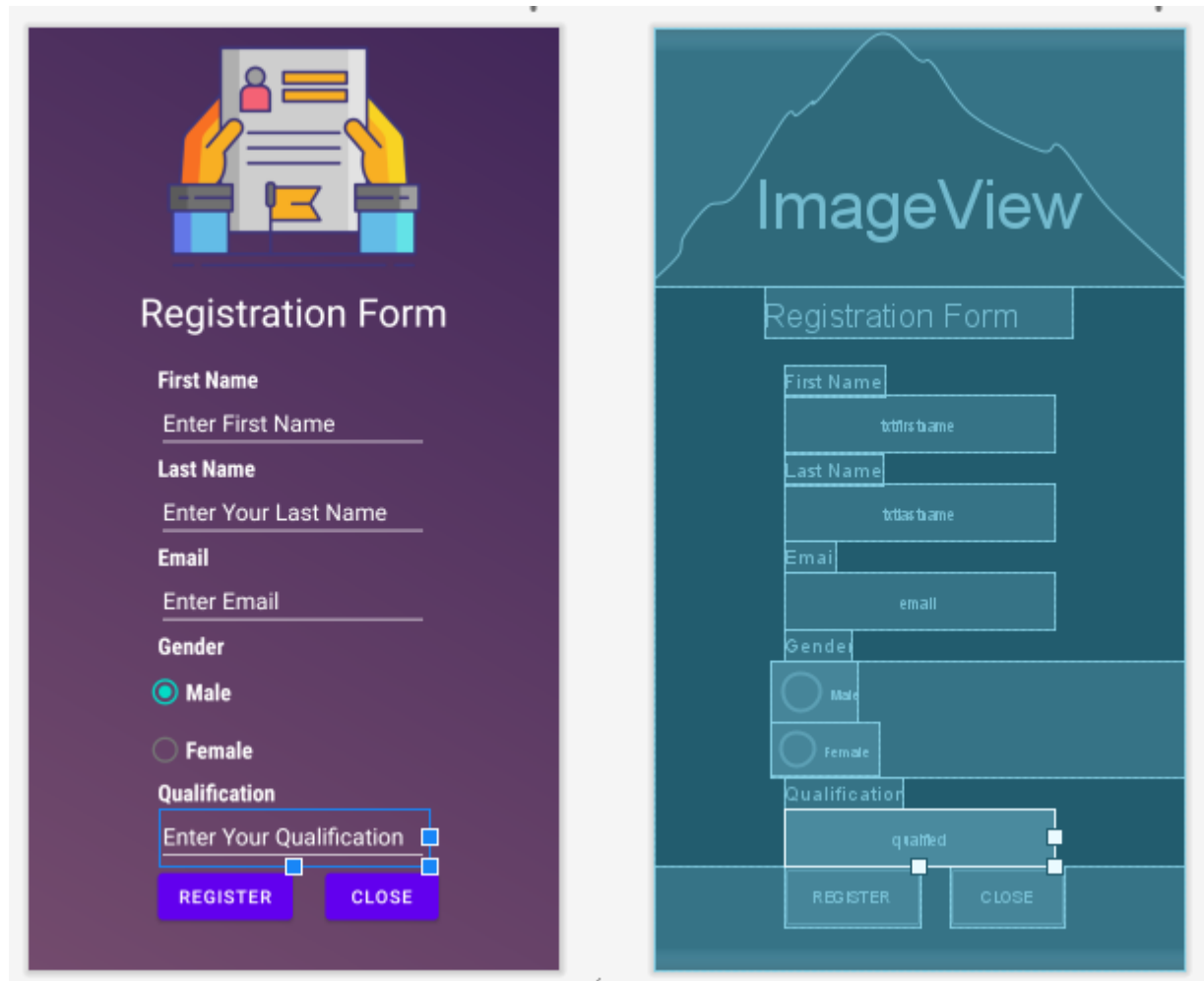
Design:

MainActivity.java:

```java
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.RadioButton;

public class MainActivity extends AppCompatActivity {
    EditText f_name,l_name,temail,qualification;
    EditText txt1,txt2,txt3,txt6;
    RadioButton txt4,txt5;
```
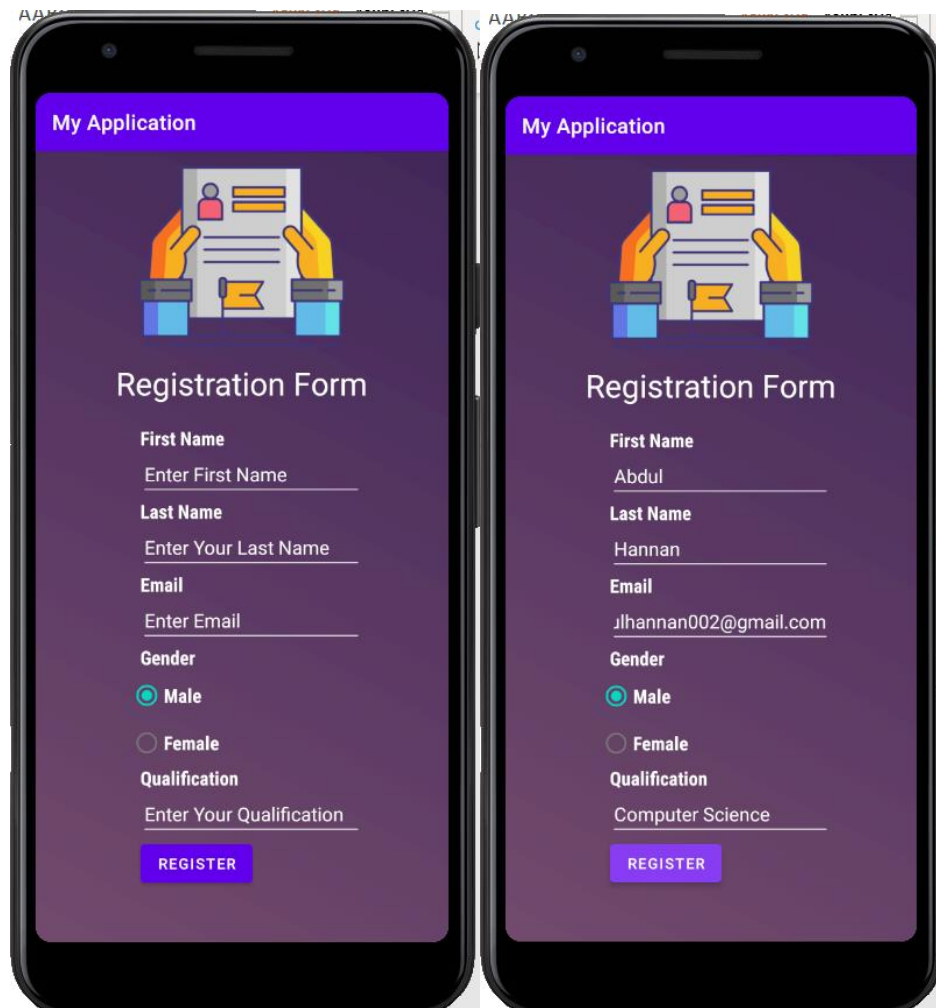
```java
RadioButton male, female;
Button btn,close;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    txt1=(EditText)findViewById(R.id.txtfirstname);
    txt2=(EditText)findViewById(R.id.txtlastname);
    txt3=(EditText)findViewById(R.id.email);
    txt4 = (RadioButton) findViewById(R.id.malech);
    txt5 = (RadioButton)findViewById(R.id.femalech);
    txt6 = (EditText)findViewById(R.id.quaified);
    String fn = getIntent().getStringExtra("fname");
    txt1.setText(fn);
    String ln = getIntent().getStringExtra("lname");
    txt2.setText(ln);
    String e = getIntent().getStringExtra("em");
    txt3.setText(e);
    String gm = getIntent().getStringExtra("gend");
    if(gm == "Male")
    {
        txt4.isChecked();
    }
    String fm = getIntent().getStringExtra("gend");
    if(fm == "Female")
    {
        txt5.isChecked();
    }
    String q = getIntent().getStringExtra("qual");
    txt6.setText(q);
    close = (Button)findViewById(R.id.closebtn);
    close.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            finishAffinity();
        }
    });

    btn = (Button)findViewById(R.id.btnLogin);
    btn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            submit();
        }
    });
}
public void submit(){
    f_name = (EditText)findViewById(R.id.txtfirstname);
    l_name = (EditText)findViewById(R.id.txtlastname);
    temail = (EditText)findViewById(R.id.email);
    male = (RadioButton) findViewById(R.id.malech);
    female = (RadioButton)findViewById(R.id.femalech);
    qualification = (EditText)findViewById(R.id.quaified);
    close = (Button)findViewById(R.id.closebtn);
    close.setVisibility(View.INVISIBLE);
```

```java
Intent intent =new Intent(this,MainActivity2.class);
intent.putExtra("First Name", f_name.getText().toString());
intent.putExtra("Last Name", l_name.getText().toString());
intent.putExtra("Email", temail.getText().toString());
if(male.isChecked())
{
    String m = male.getText().toString();
    intent.putExtra("Gender",m);
}
if(female.isChecked())
{
    String f = female.getText().toString();
    intent.putExtra("Gender",f);
}
intent.putExtra("Qualification", qualification.getText().toString());
startActivity( intent );
    }
}
```

Output:

- This is our first activity in which we try to build a registration form.
- It contains some fields in which you enter your first name, last name, email, gander, qualification.
- This activity contains two button one is named as "Register" and second is named as "close".
- The close button is hide and not shown when app is launched.

Activity_main2.xml:

```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="@drawable/gradient"
    tools:context=".MainActivity2">

    <TextView
        android:id="@+id/loginscrn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_marginStart="124dp"
        android:layout_marginTop="52dp"
        android:layout_marginBottom="23dp"
        android:text="@string/information"
        android:textColor="#FFFFFF"
        android:textSize="30sp"
        app:layout_constraintBottom_toTopOf="@+id/textView"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="1.0" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="64dp"
        android:layout_marginTop="115dp"
        android:layout_marginEnd="65dp"
        android:layout_marginBottom="21dp"
        android:fontFamily="sans-serif-condensed"
        android:textSize="24sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toTopOf="@+id/textView2"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
```

```xml
<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="64dp"
    android:layout_marginTop="14dp"
    android:layout_marginEnd="64dp"
    android:fontFamily="sans-serif-condensed"
    android:textColor="@color/white"
    android:textSize="24sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView" />

<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="21dp"
    android:fontFamily="sans-serif-condensed"
    android:textColor="@color/white"
    android:textSize="24sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    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="63dp"
    android:layout_marginTop="15dp"
    android:layout_marginEnd="61dp"
    android:fontFamily="sans-serif-condensed"
    android:textColor="@color/white"
    android:textSize="24sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    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_marginTop="288dp"
    android:layout_marginBottom="424dp"
    android:fontFamily="sans-serif-condensed"
    android:textColor="@color/white"
    android:textSize="24sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
```

```
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<Button
    android:id="@+id/editbtn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="60dp"
    android:layout_marginBottom="264dp"
    android:text="@string/edit"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintStart_toStartOf="parent" />

<Button
    android:id="@+id/submitbtn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="64dp"
    android:layout_marginBottom="264dp"
    android:text="@string/submit"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Main_Activity2.xml:

```java
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.graphics.Color;
import android.os.Bundle;
import android.os.Parcelable;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.Checkable;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.TextView;

import org.w3c.dom.Text;

public class MainActivity2 extends AppCompatActivity {
    TextView txt,txt2,txt3,txt4,txt5;
    Button btn,btn1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        txt=(TextView)findViewById(R.id.textView);
        txt2=(TextView)findViewById(R.id.textView2);
```

```java
        txt3=(TextView)findViewById(R.id.textView3);
        txt4=(TextView)findViewById(R.id.textView4);
        txt5=(TextView)findViewById(R.id.textView5);
        String f_n=getIntent().getStringExtra("First Name");
        txt.setTextColor(Color.parseColor("#FFFFFF"));
        txt.setText(f_n);
        String l_n=getIntent().getStringExtra("Last Name");
        txt2.setTextColor(Color.parseColor("#FFFFFF"));
        txt2.setText(l_n);
        String e =getIntent().getStringExtra("Email");
        txt3.setTextColor(Color.parseColor("#FFFFFF"));
        txt3.setText(e);
        String g =getIntent().getStringExtra("Gender");
        txt4.setTextColor(Color.parseColor("#FFFFFF"));
        txt4.setText(g);
        String q =getIntent().getStringExtra("Qualification");
        txt5.setTextColor(Color.parseColor("#FFFFFF"));
        txt5.setText(q);

        btn=(Button)findViewById(R.id.submitbtn);
        btn1 = (Button)findViewById(R.id.editbtn);
        btn.setOnClickListener(new View.OnClickListener(){

            @Override
            public void onClick(View v) {
                registered();
            }
        });
        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                edit();
            }
        });

    }
    public void registered(){
        Intent i=new Intent(MainActivity2.this,MainActivity3.class);
        i.putExtra("Lastname",txt2.getText().toString());
        startActivity(i);
    }
    public void edit()
    {
        TextView firstn = (TextView)findViewById(R.id.textView);
        TextView secondn = (TextView)findViewById(R.id.textView2);
        TextView Email = (TextView)findViewById(R.id.textView3);
        TextView gender = (TextView)findViewById(R.id.textView4);
        TextView qual = (TextView)findViewById(R.id.textView5);

        Intent i = new Intent(MainActivity2.this,MainActivity.class);
        i.putExtra("fname",firstn.getText().toString());
        i.putExtra("lname",secondn.getText().toString());
        i.putExtra("em",Email.getText().toString());
        if(qual.toString() == "Male") {
            i.putExtra("gend", gender.getText().toString());
```
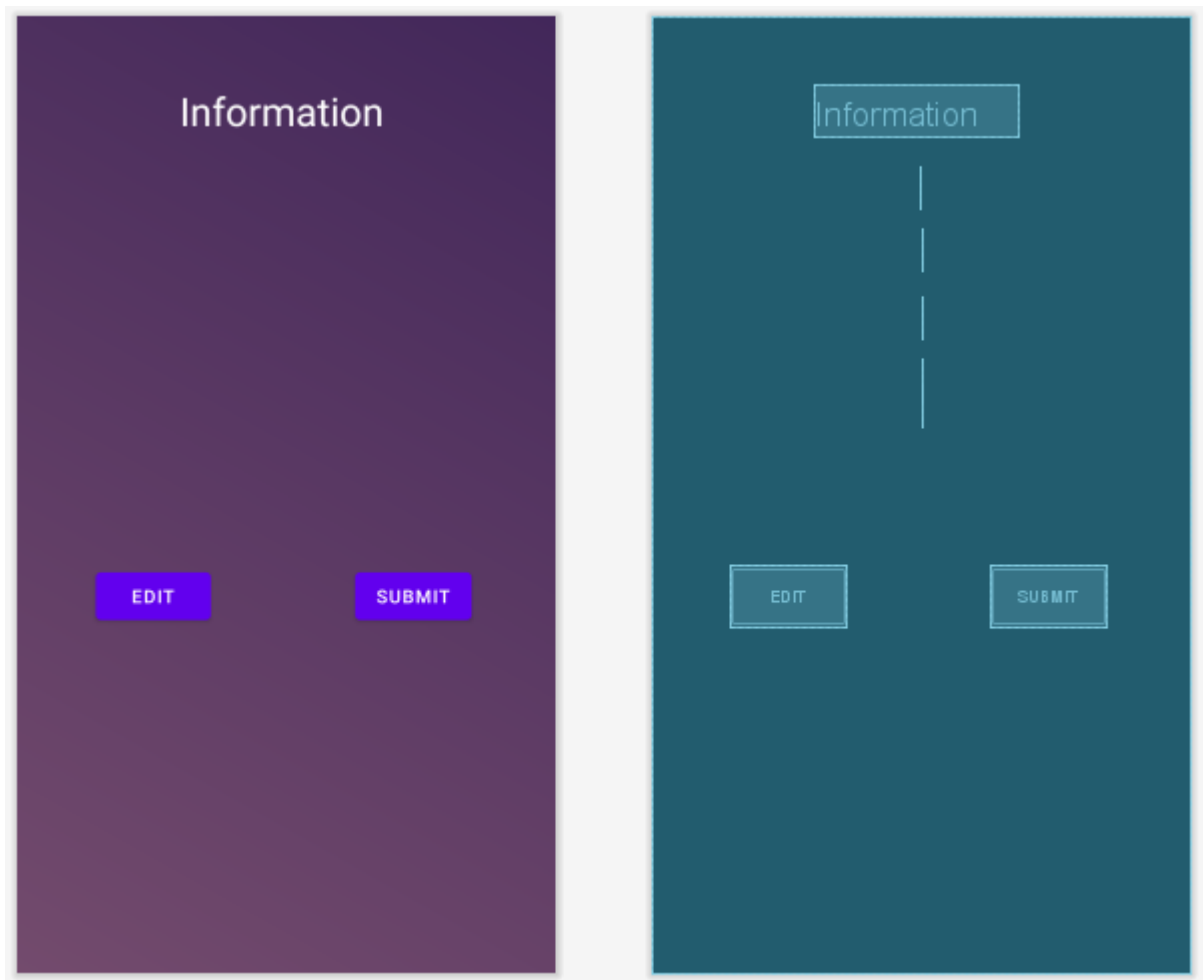
```
        }
        if(qual.toString() == "Female") {
            i.putExtra("gend", gender.getText().toString());
        }
        i.putExtra("qual",qual.getText().toString());
        startActivity(i);
    }

}
```
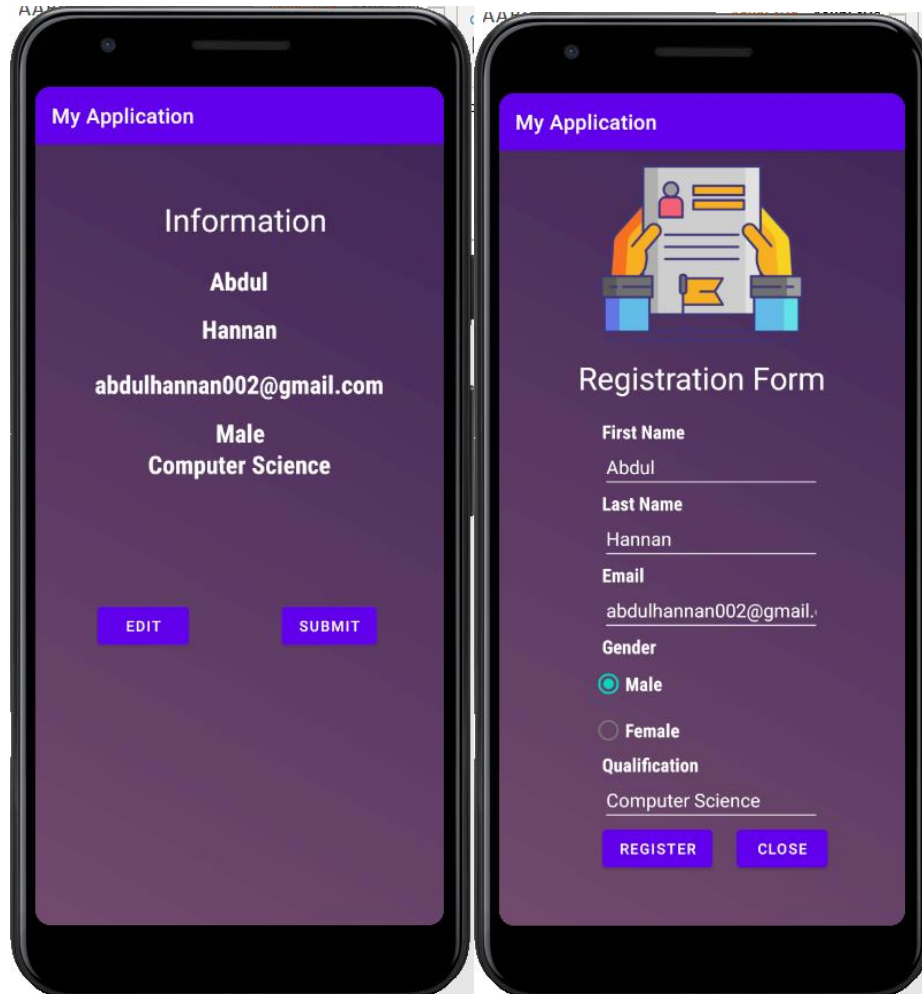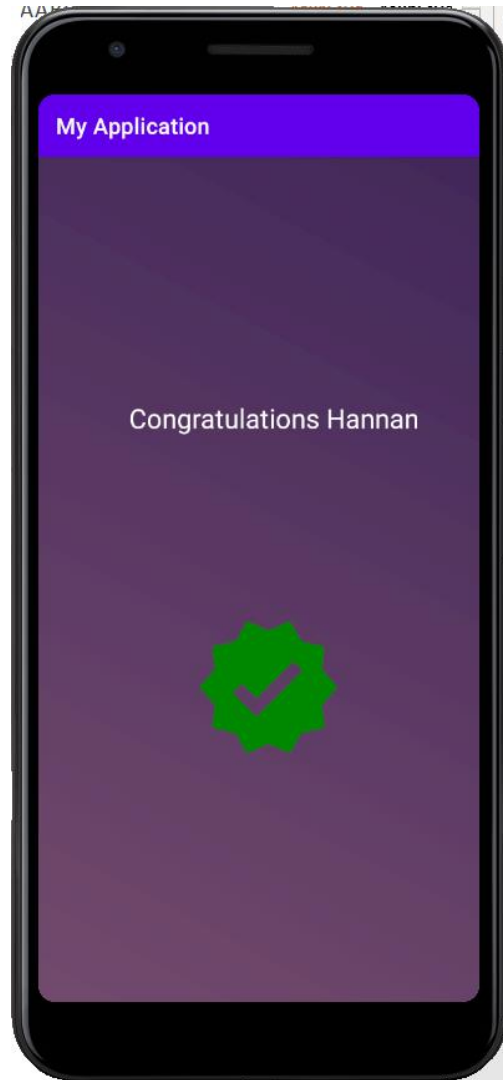
Design:

- This activity displays the information which we entered in previous activity.
- This activity consists of Five txt boxes and two buttons.
- One is named as "Edit" and second is named as "Submit".

Output:

- When you press edit button then it will take you back to the registration form where you filled different field and now you can make changes there.
- Close button is enabled in previous activity. Where you can close the application.
- When you press submit button then you move to the confirmation activity.

Activity_main3.xml:

```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="@drawable/gradient"
    tools:context=".MainActivity3">

    <TextView
        android:id="@+id/textView6"
        android:layout_width="283dp"
        android:layout_height="158dp"
        android:layout_marginStart="81dp"
        android:layout_marginTop="216dp"
```

```xml
        android:textColor="@color/white"
        android:textSize="24sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="134dp"
        android:layout_height="139dp"
        android:layout_marginStart="138dp"
        android:layout_marginTop="28dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView6"
        app:srcCompat="@drawable/ic_baseline_verified_24"
        android:contentDescription="@string/verify" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Main_Activty3.java:

```java
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;

public class MainActivity3 extends AppCompatActivity {
    TextView t;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main3);
        t = (TextView)findViewById(R.id.textView6);
        String name = getIntent().getStringExtra("Lastname");
        t.setText("Congratulations " +name);
    }
}
```