



1.Design (XML File)

```
<?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/img"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:layout_marginBottom="346dp"
        android:fontFamily="cursive"
        android:text="Student Registration Form"
        android:textColor="#8B0048"
        android:textSize="34sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toTopOf="@+id/radioGroup"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/editTextText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="40dp"
        android:layout_marginTop="16dp"
        android:ems="10"
        android:hint="Enter the ID:"
        android:inputType="text"
        android:minHeight="48dp"
        android:textColorHint="@color/material_dynamic_neutral_variant50"
        app:layout_constraintStart_toStartOf="@+id/textView"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

    <EditText
        android:id="@+id/editTextText2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
    android:layout_marginTop="12dp"
    android:ems="10"
    android:hint="Enter the name:"
    android:inputType="text"
    android:minHeight="48dp"
    android:textColorHint="@color/material_dynamic_neutral_variant50"
    app:layout_constraintStart_toStartOf="@+id/editTextText"
    app:layout_constraintTop_toBottomOf="@+id/editTextText" />
```

<EditText

```
    android:id="@+id/editTextText3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="3dp"
    android:layout_marginTop="15dp"
    android:ems="10"
    android:hint="School:"
    android:inputType="text"
    android:minHeight="48dp"
    android:textColorHint="@color/material_dynamic_neutral_variant50"
    app:layout_constraintStart_toStartOf="@+id/editTextText2"
    app:layout_constraintTop_toBottomOf="@+id/editTextText2" />
```

<EditText

```
    android:id="@+id/editTextText4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
    android:ems="10"
    android:hint="Programme:"
    android:inputType="text"
    android:minHeight="48dp"
    android:textColorHint="@color/material_dynamic_neutral_variant50"
    app:layout_constraintStart_toStartOf="@+id/editTextText3"
    app:layout_constraintTop_toBottomOf="@+id/editTextText3" />
```

<AutoCompleteTextView

```
    android:id="@+id/autoCompleteTextView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="8dp"
    android:layout_marginTop="16dp"
    android:width="200dp"
    android:hint="Location"
    android:minHeight="48dp"
    android:textColorHint="@color/material_dynamic_neutral_variant50"
    app:layout_constraintStart_toStartOf="@+id/editTextText4"
    app:layout_constraintTop_toBottomOf="@+id/editTextText4" />
```

<RadioGroup

```
    android:id="@+id/radioGroup"
    android:layout_width="174dp"
    android:layout_height="97dp"
    android:layout_marginBottom="66dp"
    app:layout_constraintBottom_toTopOf="@+id/textView2"
    app:layout_constraintEnd_toEndOf="@+id/autoCompleteTextView2"
    app:layout_constraintStart_toStartOf="@+id/autoCompleteTextView2"
    app:layout_constraintTop_toBottomOf="@+id/textView" />
```

<RadioButton

```
    android:id="@+id/radioButton2"
```

```

        android:layout_width="172dp"
        android:layout_height="wrap_content"
        android:text="Female" />

        <RadioButton
            android:id="@+id/radioButton"
            android:layout_width="174dp"
            android:layout_height="wrap_content"
            android:checked="true"
            android:text="Male" />

    </RadioGroup>

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="17dp"
        android:text="Submit"

        app:layout_constraintEnd_toStartOf="@+id/radioGroup"
        app:layout_constraintStart_toStartOf="@+id/radioGroup"
        app:layout_constraintTop_toBottomOf="@+id/radioGroup" />

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="18dp"
        android:text="Clear"
        app:layout_constraintEnd_toEndOf="@+id/radioGroup"
        app:layout_constraintTop_toBottomOf="@+id/radioGroup" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="306dp"
        android:layout_height="158dp"
        android:layout_marginStart="42dp"
        android:layout_marginBottom="6dp"
        android:hint="Details:"
        android:textColorHint="@color/material_dynamic_primary20"
        android:textSize="16sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/radioGroup" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

2.JAVA File

```

package com.example;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;

```

```

import android.widget.AutoCompleteTextView;
import android.widget.Button;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TextView;

import java.lang.reflect.Array;

public class MainActivity extends AppCompatActivity {
    EditText editTextText;
    EditText editTextText2;
    EditText editTextText3;
    EditText editTextText4;
    RadioGroup radioGroup;
    RadioButton radioButton;
    TextView textView2;
    Button button;
    Button button2;
    AutoCompleteTextView autoCompleteTextView2;
    String[]
location={"Bengaluru","Mysuru","Mangaluru","Mandya","Hyderabad","Delhi","Ho
sur","Bidar","Mumbai","Chennai","Lucknow"};
    // @SuppressWarnings()
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        editTextText=findViewById(R.id.editTextText);
        editTextText2=findViewById(R.id.editTextText2);
        editTextText3=findViewById(R.id.editTextText3);
        editTextText4=findViewById(R.id.editTextText4);
        autoCompleteTextView2=findViewById(R.id.autoCompleteTextView2); //ID
cascading
        button=findViewById(R.id.button);
        button2=findViewById(R.id.button2);
        textView2=findViewById(R.id.textView2);
        radioGroup=findViewById(R.id.radioGroup);
        /* radioButton=findViewById(R.id.radioButton);
        radioButton.setText(R.string.radioButton_text); */

        ArrayAdapter adapter=new
ArrayAdapter<String>(this,R.layout.select_dialog_item,location); //String
mapped with adapter
        autoCompleteTextView2.setThreshold(1);
        autoCompleteTextView2.setAdapter(adapter); //Registration
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                int id=radioGroup.getCheckedRadioButtonId();
                radioButton=findViewById(id);
                textView2.setText("Student ID:
"+editTextText.getText().toString()+"\nStudent Name:
"+editTextText2.getText().toString()+"\nSchool:
"+editTextText3.getText().toString()+"\nProgram:
"+editTextText4.getText().toString()+"\nLocation:"+autoCompleteTextView2.ge
tText().toString()+"\nGender: "+radioButton.getText().toString());
            }
        });
        button2.setOnClickListener(new View.OnClickListener() {
            @Override

```

```
public void onClick(View view) {  
    editTextText.setText(" ");  
    editTextText2.setText(" ");  
    editTextText3.setText(" ");  
    editTextText4.setText(" ");  
    autoCompleteTextView2.setText(" ");  
    textView2.setText(" ");  
}  
});  
}  
}
```

3.Output in the Emulator



10:58

Student Registration Form

Enter the ID: _____

Enter the name: _____

School: _____

Programme: _____

Location: _____

☐ Female

☒ Male

Details:

10:59

Student Registration Form

20211CSE0223

Sneha.R

Bengaluru

Bidar

b

☐ Female

☒ Male

Details:

11:00

Student Registration Form

20211CSE0223

Sneha.R

SOE

B.tech in CSE

Bengaluru

☒ Female

☐ Male

Submit Clear

Student ID: 20211CSE0223
Student Name: Sneha.R
School: SOE
Program: B.tech in CSE
Location: Bengaluru
Gender: Female

11:32

Student Registration Form

☒ Female

☐ Male

Submit Clear