



PRESIDENCY UNIVERSITY

Mobile application development(CSE 3075)

20211CSE0223

SNEHA.R

5CSE4

CA1

Q1.Course Registration

1.Design (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:layout_width="match_parent"
android:layout_height="match_parent"
android:background="@color/newcolor"
tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="34dp"
        android:layout_marginBottom="231dp"
        android:fontFamily="sans-serif-condensed"
        android:text="Course Registration"
        android:textColor="#610173"
        android:textSize="20sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toTopOf="@+id/radioGroup"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.048" />

    <EditText
        android:id="@+id/editTextText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="31dp"
        android:ems="10"
        android:hint="Enter name:"
```

```

        android:inputType="text"
        app:layout_constraintEnd_toEndOf="@+id/textView"
        app:layout_constraintHorizontal_bias="0.48"
        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="15dp"
    android:ems="10"
    android:hint="Enter telephone number:"
    android:inputType="text"
    app:layout_constraintEnd_toEndOf="@+id/editTextText"
    app:layout_constraintHorizontal_bias="0.0"
    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_marginTop="14dp"
    android:ems="10"
    android:hint="Enter course: "
    android:inputType="text"
    app:layout_constraintEnd_toEndOf="@+id/editTextText2"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout_constraintStart_toStartOf="@+id/editTextText2"
    app:layout_constraintTop_toBottomOf="@+id/editTextText2" />

<RadioGroup
    android:id="@+id/radioGroup"
    android:layout_width="206dp"
    android:layout_height="0dp"
    android:layout_marginBottom="49dp"
    app:layout_constraintBottom_toTopOf="@+id/button"
    app:layout_constraintEnd_toEndOf="@+id/editTextText3"
    app:layout_constraintStart_toStartOf="@+id/editTextText3"
    app:layout_constraintTop_toBottomOf="@+id/textView">

    <RadioButton
        android:id="@+id/radioButton"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:checked="true"
        android:text="Female" />

    <RadioButton
        android:id="@+id/radioButton2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Male" />
</RadioGroup>

<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="52dp"

```

```

        android:backgroundTint="#750333"
        android:text="Register"
        app:layout_constraintBottom_toTopOf="@+id/textView2"
        app:layout_constraintEnd_toEndOf="@+id/radioGroup"
        app:layout_constraintStart_toStartOf="@+id/radioGroup"
        app:layout_constraintTop_toBottomOf="@+id/radioGroup" />

<TextView
    android:id="@+id/textView2"
    android:layout_width="196dp"
    android:layout_height="0dp"
    android:layout_marginBottom="84dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="@+id/button"
    app:layout_constraintStart_toStartOf="@+id/button"
    app:layout_constraintTop_toBottomOf="@+id/button" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

2.JAVA File (MainActivity.java)

```
package com.example.cal_1q;

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;
import android.widget.RadioGroup;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    EditText editTextText;
    EditText editTextText2;
    EditText editTextText3;
    RadioGroup radioGroup;
    RadioButton radioButton;
    Button button;
    TextView textView2;
    String name,no,course,gender;

    @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);
        textView2=findViewById(R.id.textView2);
        radioGroup=findViewById(R.id.radioGroup);

        button=findViewById(R.id.button);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                name=editTextText.getText().toString();
                no=editTextText2.getText().toString();
                course=editTextText3.getText().toString();
                int id=radioGroup.getCheckedRadioButtonId();
                radioButton=findViewById(id);
                gender=radioButton.getText().toString();
                textView2.setText(DisplayActivity());
                Intent intent=new Intent(MainActivity.this, MainActivity2.class);
                intent.putExtra("Name",name);
                intent.putExtra("Number",no);
                intent.putExtra("Course",course);
                intent.putExtra("Gender",gender);
                startActivity(intent);
            }
        });
        DisplayActivity();
    }
    private String DisplayActivity() {
        StringBuilder stringBuilder = new StringBuilder();
```

```

        stringBuilder.append("Name: "+name + " ");
        stringBuilder.append("Telephone number: "+no + " ");
        stringBuilder.append("Course name: "+course + " ");
        stringBuilder.append("Gender: "+gender+" ");
        return stringBuilder.toString();
    }
}

```

3.Design (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"
android:background="@color/second">

    <TextView
        android:id="@+id/textView3"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:layout_marginStart="63dp"
        android:layout_marginEnd="63dp"
        android:layout_marginBottom="157dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView4" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="212dp"
        android:layout_height="65dp"
        android:layout_marginStart="108dp"
        android:layout_marginTop="160dp"
        android:layout_marginBottom="141dp"
        android:fontFamily="monospace"
        android:text="Student details"
        android:textSize="20sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toTopOf="@+id/textView3"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

Student details

4.JAVA File (MainActivity2.java)

```
package com.example.cal_1q;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity2 extends AppCompatActivity {
    TextView textView3;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        textView3=findViewById(R.id.textView3);
        Intent intent=getIntent();
        String name=intent.getStringExtra("Name");
        String no=intent.getStringExtra("Number");
        String course=intent.getStringExtra("Course");
        String gender=intent.getStringExtra("Gender");
        Toast.makeText(this,name+"-"+no+"-"+course+"-"+gender,Toast.LENGTH_LONG).show();
        textView3.setText("Name: "+name+"\n"+"Phone number: "+no+"\n"+"Course name: "+course+"\n"+"Gender: "+gender);
    }
}
```

AndroidManifest.xml

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/Theme.Ca1_1q"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity2"
            android:exported="false" />
        <activity
            android:name=".MainActivity"
            android:exported="true"
            android:icon="@mipmap/img">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER"
            />
            </intent-filter>
        </activity>
    </application>

</manifest>

```

5. Output in the emulator



Ca1_1q

1:26

Course Registration

Sneha R

9877655412

AI/ML

☒ Female
☐ Male

Register

1:26

Student details

Name: Sneha R
Phone number: 9877655412
Course name: AI/ML
Gender: Female

Sneha R-9877655412-AI/ML-Female

