INPUT CONTROLS P6

MainActivity.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/p6_back"
    android:foregroundGravity="center"
    tools:context=".MainActivity"
    tools:layout_editor_absoluteX="0dp"
    tools:layout_editor_absoluteY="-21dp">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:foregroundGravity="center"
        android:text="Personal Details"
        android:textColor="#1B0101"
        android:textSize="34sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.496"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.059" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="32dp"
        android:fontFamily="@font/anton"
        android:foregroundGravity="center"
        android:gravity="center"
        android:padding="10sp"
        android:text="GENDER"
        android:textColor="#000000"
        android:textSize="24sp"
        android:textStyle="bold|italic"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.135"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="172dp"
        android:fontFamily="@font/anton"
        android:foregroundGravity="center"
        android:gravity="center"
        android:padding="10sp"
        android:text="COURSES"
        android:textColor="#000000"
        android:textSize="24sp"
        android:textStyle="bold|italic"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.127"
        app:layout_constraintStart_toStartOf="parent"
```

```xml
        app:layout_constraintTop_toBottomOf="@+id/textView" />

    <CheckBox
        android:id="@+id/ch1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="32dp"
        android:background="#00000000"
        android:buttonTint="#000000"
        android:foregroundGravity="center"
        android:minHeight="48dp"
        android:padding="8dp"
        android:text="AI"
        android:textColor="#000000"
        android:textSize="20sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.116"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView2" />

    <CheckBox
        android:id="@+id/ch2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="100dp"
        android:background="#00000000"
        android:buttonTint="#000000"
        android:foregroundGravity="center"
        android:minHeight="48dp"
        android:padding="8dp"
        android:text="ML"
        android:textColor="#000000"
        android:textSize="20sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.119"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView2" />

    <CheckBox
        android:id="@+id/ch3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="168dp"
        android:background="#00000000"
        android:buttonTint="#000000"
        android:foregroundGravity="center"
        android:minHeight="48dp"
        android:padding="8dp"
        android:text="IOT"
        android:textColor="#000000"
        android:textSize="20sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.12"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView2" />

    <CheckBox
        android:id="@+id/ch4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="32dp"
        android:background="#00000000"
        android:buttonTint="#000000"
        android:foregroundGravity="center"
        android:minHeight="48dp"
        android:padding="8dp"
        android:text="Cyber Security"
```

```xml
        android:textColor="#000000"
        android:textSize="20sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.672"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView2" />

    <CheckBox
        android:id="@+id/ch5"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="100dp"
        android:background="#00000000"
        android:buttonTint="#000000"
        android:foregroundGravity="center"
        android:minHeight="48dp"
        android:padding="8dp"
        android:text="Data Analytics"
        android:textColor="#000000"
        android:textSize="20sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.672"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView2" />

    <CheckBox
        android:id="@+id/ch6"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="168dp"
        android:background="#00000000"
        android:buttonTint="#000000"
        android:foregroundGravity="center"
        android:minHeight="48dp"
        android:padding="8dp"
        android:text="Mobile App"
        android:textColor="#000000"
        android:textSize="20sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.603"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView2" />

    <RadioGroup
        android:id="@+id/rb_grp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="10dp"
        android:layout_marginBottom="7dp"
        android:orientation="horizontal"
        android:padding="15dp"
        app:layout_constraintBottom_toTopOf="@+id/textView2"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.363"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView3"
        app:layout_constraintVertical_bias="0.259">

        <RadioButton
            android:id="@+id/rb1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_margin="10dp"
            android:layout_marginStart="40dp"
            android:layout_marginTop="8dp"
            android:buttonTint="#020202"
            android:fontFamily="monospace"
```

```xml
            android:foregroundGravity="center"
            android:minHeight="48dp"
            android:padding="8dp"
            android:text="Male"
            android:textColor="#000000" />

        <RadioButton
            android:id="@+id/rb2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_margin="10dp"
            android:layout_marginTop="8dp"
            android:buttonTint="#020202"
            android:fontFamily="monospace"
            android:foregroundGravity="center"
            android:minHeight="48dp"
            android:padding="8dp"
            android:text="Female"
            android:textColor="#000000" />

        <RadioButton
            android:id="@+id/rb3"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_margin="10dp"
            android:layout_marginTop="8dp"
            android:buttonTint="#020202"
            android:fontFamily="monospace"
            android:foregroundGravity="center"
            android:minHeight="48dp"
            android:padding="8dp"
            android:text="Others"
            android:textColor="#000000" />

    </RadioGroup>

    <Switch
        android:id="@+id/switch1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="28dp"
        android:foregroundGravity="center"
        android:minHeight="48dp"
        android:padding="10dp"
        android:text="Interested in Hackathon"
        android:textColor="#000000"
        android:textSize="20sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.536"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/ch6" />

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/flt_btn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="4dp"
        android:clickable="true"
        android:foregroundGravity="center"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.954"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/switch1"
        app:srcCompat="@drawable/ic_baseline_done_outline_24" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

MAINACTIVITY2.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:id="@+id/layout2"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/p6_2"
    tools:context=".MainActivity2">

    <ToggleButton
        android:id="@+id/toggleButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="428dp"
        android:fontFamily="@font/black_han_sans"
        android:text="ToggleButton"
        android:textOff="Disagree"
        android:textOn="Agree"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.896"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="120dp"
        android:fontFamily="@font/black_han_sans"
        android:text="Place"
        android:textColor="#040404"
        android:textSize="34sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.129"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Spinner
        android:id="@+id/spinner"
        android:layout_width="369dp"
        android:layout_height="50dp"
        android:layout_marginTop="192dp"
        android:background="#FFFCC4"
        android:backgroundTint="#FAECA6"
        android:minHeight="48dp"
        android:scrollbarSize="8dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/textView7"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="204dp"
        android:fontFamily="@font/allan"
        android:text="Agree *Terms and Conditions"
        android:textColor="#000000"
        android:textSize="16sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.185"
```

```
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/spinner" />

    <Button
        android:id="@+id/next"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="80dp"
        android:text="NEXT"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.501"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView7" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

MAINACTIVITY3.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=".MainActivity3">

    <WebView
        android:id="@+id/webView"
        android:layout_width="329dp"
        android:layout_height="335dp"
        android:layout_marginTop="44dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.495"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <RatingBar
        android:id="@+id/rating"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/webView"
        app:layout_constraintVertical_bias="0.423" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

MAinactivity.JAVA

```java
package com.example.input_controls_p6;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.service.controls.actions.FloatAction;
import android.view.Gravity;
import android.view.View;
import android.widget.CheckBox;
import android.widget.CompoundButton;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Switch;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.material.floatingactionbutton.FloatingActionButton;

public class MainActivity extends AppCompatActivity {

    private CheckBox ch1,ch2,ch3,ch4,ch5,ch6;
    private RadioGroup rb_grp;
    private RadioButton rb_gender;
    private Switch switch1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        init();
        FloatingActionButton fab = findViewById(R.id.flt_btn);


        fab.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                StringBuffer result = new StringBuffer();
                result.append("Courses Selected : \n");
                if (ch1.isChecked()){
                    result.append(ch1.getText().toString()).append("\n");
                }
                if (ch2.isChecked()){
                    result.append(ch2.getText().toString()).append("\n");
                }
                if (ch3.isChecked()){
                    result.append(ch3.getText().toString()).append("\n");
                }
                if (ch4.isChecked()){
                    result.append(ch4.getText().toString()).append("\n");
                }
                if (ch5.isChecked()){
                    result.append(ch5.getText().toString()).append("\n");
                }
                if (ch6.isChecked()){
                    result.append(ch6.getText().toString()).append("\n");
                }

                int gender = rb_grp.getCheckedRadioButtonId();
                rb_gender = findViewById(gender);

                if (rb_gender!=null){
```

```java
                result.append("\n Gender:
\n").append(rb_gender.getText().toString());
                }

                Toast.makeText(MainActivity.this, result.toString(),
Toast.LENGTH_LONG)
                        .show();

                Intent intent = new
Intent(MainActivity.this,MainActivity2.class);
                startActivity(intent);
            }
        });

        switch1.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {
            @Override
            public void onCheckedChanged(CompoundButton compoundButton, boolean
b) {

                if (switch1.isChecked()){
                    Toast toast = Toast.makeText(MainActivity.this,"Congo!!
Hackathon Selected",Toast.LENGTH_SHORT);
                    toast.setGravity(Gravity.CENTER,0,0);
                    toast.show();
                }
                else{
                    Toast toast = Toast.makeText(MainActivity.this,"See you Next
Time",Toast.LENGTH_SHORT);
                    toast.setGravity(Gravity.CENTER,0,0);
                    toast.show();
                }
            }
        });


    }

    private void init()
    {
        ch1 = findViewById(R.id.ch1);
        ch2 = findViewById(R.id.ch2);
        ch3 = findViewById(R.id.ch3);
        ch4 = findViewById(R.id.ch4);
        ch5 = findViewById(R.id.ch5);
        ch6 = findViewById(R.id.ch6);

        rb_grp = findViewById(R.id.rb_grp);
        switch1 =findViewById(R.id.switch1);

    }
}
```

MAINACTIVITY2.JAVA

```java
package com.example.input_controls_p6;

import androidx.appcompat.app.AppCompatActivity;
import androidx.constraintlayout.widget.ConstraintLayout;

import android.content.Intent;
import android.graphics.Color;
```

```java
import android.os.Bundle;
import android.text.Layout;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.Spinner;
import android.widget.Toast;
import android.widget.ToggleButton;

import com.google.android.material.snackbar.Snackbar;

public class MainActivity2 extends AppCompatActivity implements
AdapterView.OnItemSelectedListener {

    private Spinner spinner;
    private Button next;
    private ConstraintLayout layout2;
    ToggleButton toggleButton;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        spinner = findViewById(R.id.spinner);
        next = findViewById(R.id.next);
        layout2 = findViewById(R.id.layout2);
        toggleButton = findViewById(R.id.toggleButton);


        ArrayAdapter<CharSequence> adapter =
ArrayAdapter.createFromResource(this,R.array.locations,
android.R.layout.simple_spinner_item);

adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinner.setAdapter(adapter);
        spinner.setOnItemSelectedListener(this);

        next.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if(toggleButton.isChecked()) {
                    Intent intent = new Intent(MainActivity2.this,
MainActivity3.class);
                    startActivity(intent);
                }
                else{
                    Toast.makeText(MainActivity2.this,"Have You Agreed Terms and
Conditions",Toast.LENGTH_SHORT).show();
                }

            }
        });

        toggleButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if(toggleButton.isChecked()){
                    Snackbar.make(layout2,"Submitted Data",
Snackbar.LENGTH_INDEFINITE)
                            .setTextColor(Color.CYAN)
                            .setBackgroundTint(Color.BLACK)
                            .setAction("Close", new View.OnClickListener() {
                                @Override
                                public void onClick(View view) {

                                }
```

```java
                    })
                            .setActionTextColor(Color.RED).show();
                }
            else{
                    Snackbar.make(layout2,"Please Agree T&C",
Snackbar.LENGTH_INDEFINITE)
                            .setTextColor(Color.CYAN)
                            .setBackgroundTint(Color.BLACK)
                            .setAction("Close", new View.OnClickListener() {
                                @Override
                                public void onClick(View view) {


                                }
                            })
                            .setActionTextColor(Color.RED).show();
                }
            }
        });
    }

    @Override
    public void onItemSelected(AdapterView<?> adapterView, View view, int i, long
l) {
        String choice = adapterView.getItemAtPosition(i).toString();
        Toast.makeText(getApplicationContext(),choice,Toast.LENGTH_SHORT);
    }

    @Override
    public void onNothingSelected(AdapterView<?> adapterView) {


    }
}
```

MAINACTIVITY3.JAVA

```java
package com.example.input_controls_p6;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Context;
import android.content.DialogInterface;
import android.os.Bundle;
import android.webkit.WebView;
import android.webkit.WebViewClient;
import android.widget.RatingBar;

import com.google.android.material.dialog.MaterialAlertDialogBuilder;

public class MainActivity3 extends AppCompatActivity {

    private WebView webView;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main3);

        webView = findViewById(R.id.webView);
        webView.setWebViewClient(new WebViewClient());
        webView.loadUrl("https://developer.android.com/");


        ((RatingBar) findViewById(R.id.rating)).setOnRatingBarChangeListener(new
RatingBar.OnRatingBarChangeListener() {
            @Override
```

```java
            public void onRatingChanged(RatingBar ratingBar, float v, boolean b)
{
                new MaterialAlertDialogBuilder(MainActivity3.this)
                        .setTitle("Feedback")
                        .setMessage("Rating: " + v + ". Thank you for the
feedback!")
                        .setNeutralButton("OK", new
DialogInterface.OnClickListener() {
                            @Override
                            public void onClick(DialogInterface dialogInterface,
int i) {

                                dialogInterface.dismiss();
                            }
                        })
                        .show();
            }
        });
    }
}
```

MANIFEST

```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"
    package="com.example.input_controls_p6">

    <uses-permission android:name="android.permission.INTERNET"></uses-
permission>

    <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:supportsRtl="true"
        android:theme="@style/Theme.Input_controls_p6"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity3"
            android:exported="false" />
        <activity
            android:name=".MainActivity2"
            android:exported="false" />
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

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

        <meta-data
            android:name="preloaded_fonts"
            android:resource="@array/preloaded_fonts" />
    </application>

</manifest>
```