**Problem Statement:** Create an application to display Tour Registration Form using a spinner (Group/Individual), radio button (3 Packages) and checkbox (City/Location/Country) and show data in the next activity.

**AndroidManifest.xml Manifest File:**

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.tourregistrationapp">

<application

android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:roundIcon="@mipmap/ic\_launcher\_round"

android:supportsRtl="true"

android:theme="@style/Theme.AppCompat.Light.DarkActionBar">

<activity android:name=".RegistrationActivity"

android:exported="true">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

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

</intent-filter>

</activity>

<activity android:name=".DisplayActivity" />

</application>

</manifest>

**activity\_registration.xml Layout Resource File:**

<?xml version="1.0" encoding="utf-8"?>

<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="16dp">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="vertical">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Group Type:"

android:textSize="18sp" />

<Spinner

android:id="@+id/spinnerGroupType"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select Package:"

android:textSize="18sp" />

<RadioGroup

android:id="@+id/radioGroupPackages"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="vertical">

<RadioButton

android:id="@+id/radioButtonPackage1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Package 1 - 15k"

android:textSize="16sp" />

<RadioButton

android:id="@+id/radioButtonPackage2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Package 2 - 20k"

android:textSize="16sp" />

<RadioButton

android:id="@+id/radioButtonPackage3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Package 3 - 25k"

android:textSize="16sp" />

</RadioGroup>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select Destination:"

android:textSize="18sp" />

<CheckBox

android:id="@+id/checkBoxDelhi"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Delhi"

android:textSize="16sp" />

<CheckBox

android:id="@+id/checkBoxKokan"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Kokan"

android:textSize="16sp" />

<CheckBox

android:id="@+id/checkBoxNepal"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Nepal"

android:textSize="16sp" />

<Button

android:id="@+id/buttonSubmit"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_gravity="center\_horizontal"

android:text="Submit"

android:textSize="18sp" />

</LinearLayout>

</ScrollView>

**activity\_display.xml Layout Resource File:**

<?xml version="1.0" encoding="utf-8"?>

<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="16dp">

<TextView

android:id="@+id/textViewDisplay"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:textSize="18sp" />

</ScrollView>

**colors.xml Values Resource File:**

<?xml version="1.0" encoding="utf-8"?>

<resources>

<color name="black">#FF000000</color>

<color name="white">#FFFFFFFF</color>

</resources>

**strings.xml Values Resource File:**

<?xml version="1.0" encoding="utf-8"?>

<resources>

<!-- Group Type Options -->

<string-array name="group\_type\_array">

<item>Group</item>

<item>Individual</item>

</string-array>

<!-- Package Options -->

<string-array name="package\_options\_array">

<item>Package 1</item>

<item>Package 2</item>

<item>Package 3</item>

</string-array>

<!-- Checkbox Labels -->

<string name="city\_label">City</string>

<string name="location\_label">Location</string>

<string name="country\_label">Country</string>

<!-- Button Labels -->

<string name="submit\_button\_label">Submit</string>

<!-- Default Strings for Display Activity -->

<string name="group\_type\_label">Group Type: </string>

<string name="selected\_package\_label">Selected Package: </string>

<string name="city\_selected\_label">City: </string>

<string name="location\_selected\_label">Location: </string>

<string name="country\_selected\_label">Country: </string>

<string name="package\_options\_array">\n</string>

<string name="app\_name" />

</resources>

**RegistrationActivity.java JAVA File:**

package com.example.tourregistrationapp;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.CheckBox;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.Spinner;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class RegistrationActivity extends AppCompatActivity {

private Spinner spinnerGroupType;

private RadioGroup radioGroupPackages;

private CheckBox checkBoxDelhi, checkBoxKokan, checkBoxNepal;

private Button buttonSubmit;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_registration);

spinnerGroupType = findViewById(R.id.spinnerGroupType);

radioGroupPackages = findViewById(R.id.radioGroupPackages);

checkBoxDelhi = findViewById(R.id.checkBoxDelhi);

checkBoxKokan = findViewById(R.id.checkBoxKokan);

checkBoxNepal = findViewById(R.id.checkBoxNepal);

buttonSubmit = findViewById(R.id.buttonSubmit);

// Populate the spinner with group type

ArrayAdapter<CharSequence> adapter = ArrayAdapter.createFromResource(this,

R.array.group\_type\_array, android.R.layout.simple\_spinner\_item);

adapter.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);

spinnerGroupType.setAdapter(adapter);

buttonSubmit.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String selectedGroupType = spinnerGroupType.getSelectedItem().toString();

int selectedPackageId = radioGroupPackages.getCheckedRadioButtonId();

RadioButton selectedPackage = findViewById(selectedPackageId);

boolean isDelhiChecked = checkBoxDelhi.isChecked();

boolean isKokanChecked = checkBoxKokan.isChecked();

boolean isNepalChecked = checkBoxNepal.isChecked();

Intent intent = new Intent(RegistrationActivity.this, DisplayActivity.class);

intent.putExtra("selectedGroupType", selectedGroupType);

intent.putExtra("selectedPackage", selectedPackage.getText().toString());

intent.putExtra("isDelhiChecked", isDelhiChecked);

intent.putExtra("isKokanChecked", isKokanChecked);

intent.putExtra("isNepalChecked", isNepalChecked);

startActivity(intent);

}

});

}

}

**DisplayActivity.java JAVA File:**

package com.example.tourregistrationapp;

import android.os.Bundle;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class DisplayActivity extends AppCompatActivity {

private TextView textViewDisplay;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_display);

textViewDisplay = findViewById(R.id.textViewDisplay);

String selectedGroupType = getIntent().getStringExtra("selectedGroupType");

String selectedPackage = getIntent().getStringExtra("selectedPackage");

boolean isDelhiChecked = getIntent().getBooleanExtra("isDelhiChecked", false);

boolean isKokanChecked = getIntent().getBooleanExtra("isKokanChecked", false);

boolean isNepalChecked = getIntent().getBooleanExtra("isNepalChecked", false);

String displayText = "Group Type: " + selectedGroupType + "\n" +

"Selected Package: " + selectedPackage + "\n" +

"Delhi: " + (isDelhiChecked ? "Yes" : "No") + "\n" +

"Kokan: " + (isKokanChecked ? "Yes" : "No") + "\n" +

"Nepal: " + (isNepalChecked ? "Yes" : "No");

textViewDisplay.setText(displayText);

}

}

**OUTPUT:**



