## Design a Form mentioned below. While clicking the submit button, the submitted details to be displayed in the next page.

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

<RelativeLayout xmlns:android="<http://schemas.android.com/apk/res/android>" xmlns:tools="<http://schemas.android.com/tools>" android:layout\_width="match\_parent"

android:layout\_height="match\_parent" tools:context=".MainActivity">

<EditText android:id="@+id/etFirstName" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:hint="First Name" android:layout\_margin="16dp"/>

<EditText android:id="@+id/etLastName" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:hint="Last Name"

android:layout\_below="@id/etFirstName" android:layout\_margin="16dp"/>

<EditText android:id="@+id/etDateOfBirth" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:hint="Date of Birth"

android:layout\_below="@id/etLastName" android:layout\_margin="16dp"/>

<Spinner android:id="@+id/spinnerLocation" android:layout\_width="match\_parent" android:layout\_height="wrap\_content"

android:layout\_below="@id/etDateOfBirth" android:layout\_margin="16dp"/>

<CheckBox android:id="@+id/cbAgreeTerms" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content"

android:text="Agree to Terms and Conditions" android:layout\_below="@id/spinnerLocation" android:layout\_margin="16dp"/>

<Button android:id="@+id/btnSubmit"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Submit" android:layout\_below="@id/cbAgreeTerms" android:layout\_centerHorizontal="true" android:layout\_marginTop="32dp"/>

</RelativeLayout>

## Mainactivity

package com.example.myapplication; import android.os.Bundle;

import android.view.View;

import android.widget.ArrayAdapter; import android.widget.Button; import android.widget.CheckBox; import android.widget.EditText; import android.widget.Spinner; import android.widget.Toast;

import android.content.Intent;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

EditText etFirstName, etLastName, etDateOfBirth; Spinner spinnerLocation;

CheckBox cbAgreeTerms; Button btnSubmit;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

etFirstName = findViewById(R.id.etFirstName); etLastName = findViewById(R.id.etLastName); etDateOfBirth = findViewById(R.id.etDateOfBirth); spinnerLocation = findViewById(R.id.spinnerLocation); cbAgreeTerms = findViewById(R.id.cbAgreeTerms); btnSubmit = findViewById(R.id.btnSubmit);

// Retrieve the array of locations from the string resources

String[] locations = getResources().getStringArray(R.array.locations\_array);

// Create an ArrayAdapter using the string array and a default spinner layout ArrayAdapter<String> adapter = new ArrayAdapter<>(this, android.R.layout.simple\_spinner\_item,

locations);

// Specify the layout to use when the list of choices appears adapter.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);

// Apply the adapter to the spinner spinnerLocation.setAdapter(adapter);

btnSubmit.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) { if (validateForm()) {

// If form is valid, navigate to next activity navigateToNextActivity();

}

}

});

}

private boolean validateForm() {

String firstName = etFirstName.getText().toString().trim(); String lastName = etLastName.getText().toString().trim(); String dateOfBirth = etDateOfBirth.getText().toString().trim(); String location = spinnerLocation.getSelectedItem().toString(); boolean agreeTerms = cbAgreeTerms.isChecked();

if (firstName.isEmpty() || lastName.isEmpty() || dateOfBirth.isEmpty() || location.isEmpty()

|| !agreeTerms) {

Toast.makeText(this, "Please fill in all fields and agree to terms", Toast.LENGTH\_SHORT).show(); return false;

}

return true;

}

private void navigateToNextActivity() {

// Here you can navigate to the next activity

Intent intent = new Intent(MainActivity.this, MainActivity2.class); intent.putExtra("firstName", etFirstName.getText().toString().trim()); intent.putExtra("lastName", etLastName.getText().toString().trim()); intent.putExtra("dateOfBirth", etDateOfBirth.getText().toString().trim()); intent.putExtra("location", spinnerLocation.getSelectedItem().toString()); startActivity(intent);

}

}

## String.xml

<resources>

<string name="app\_name">My Application</string>

<!-- Define an array resource for the spinner locations -->

<string-array name="locations\_array">

<item>Madurai</item>

<item>Chennai</item>

<item>Sivakasi</item>

</string-array>

</resources>

## Activitymain2

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

<RelativeLayout xmlns:android="<http://schemas.android.com/apk/res/android>" xmlns:tools="<http://schemas.android.com/tools>" android:layout\_width="match\_parent"

android:layout\_height="match\_parent" tools:context=".MainActivity2">

<TextView android:id="@+id/tvFirstName" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="First Name:" android:layout\_margin="16dp"/>

<TextView android:id="@+id/tvLastName" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Last Name:"

android:layout\_below="@id/tvFirstName" android:layout\_margin="16dp"/>

<TextView android:id="@+id/tvDateOfBirth"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Date of Birth:" android:layout\_below="@id/tvLastName" android:layout\_margin="16dp"/>

<TextView android:id="@+id/tvLocation" android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" android:text="Location:" android:layout\_below="@id/tvDateOfBirth" android:layout\_margin="16dp"/>

<Button android:id="@+id/btnBack"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Back" android:layout\_below="@id/tvLocation" android:layout\_centerHorizontal="true" android:layout\_marginTop="32dp"/>

</RelativeLayout>

## Mainactivity2

package com.example.myapplication; import android.content.Intent;

import android.os.Bundle;

import android.widget.Button; import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity; public class MainActivity2 extends AppCompatActivity {

TextView tvFirstName, tvLastName, tvDateOfBirth, tvLocation; Button btnBack;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main2);

tvFirstName = findViewById(R.id.tvFirstName); tvLastName = findViewById(R.id.tvLastName); tvDateOfBirth = findViewById(R.id.tvDateOfBirth); tvLocation = findViewById(R.id.tvLocation); btnBack = findViewById(R.id.btnBack);

// Get data from intent Intent intent = getIntent(); if (intent != null) {

String firstName = intent.getStringExtra("firstName"); String lastName = intent.getStringExtra("lastName"); String dateOfBirth = intent.getStringExtra("dateOfBirth"); String location = intent.getStringExtra("location");

// Set data to TextViews tvFirstName.setText("First Name: " + firstName); tvLastName.setText("Last Name: " + lastName);

tvDateOfBirth.setText("Date of Birth: " + dateOfBirth); tvLocation.setText("Location: " + location);

}

btnBack.setOnClickListener(v -> finish());

}

}