**Problem Statement : Create an application to display Railway Ticket Registration Form using a spinner(Berth Choice) , radio button(Name of destination City : 3 options) and checkbox( Meal variety) and show data in the next activity.**

**MainActivity.java**

package com.example.exp16;

import androidx.appcompat.app.AppCompatActivity;

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.EditText;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.Spinner;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity implements AdapterView.OnItemSelectedListener {

EditText e1;

Spinner spin;

RadioGroup rG;

RadioButton rb;

CheckBox c1,c2,c3,c4;

Button b1;

String[] birth\_ch = {"1999","2000","2001","2002"};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

e1 = findViewById(R.id.*text*);

spin = findViewById(R.id.*spin*);

rG = findViewById(R.id.*rg*);

c1 = findViewById(R.id.*c1*);

c2 = findViewById(R.id.*c2*);

c3 = findViewById(R.id.*c3*);

c4 = findViewById(R.id.*c4*);

b1 = findViewById(R.id.*button*);

spin.setOnItemSelectedListener(this);

ArrayAdapter<String> aa = new ArrayAdapter<>(this, android.R.layout.*simple\_spinner\_item*,birth\_ch);

aa.setDropDownViewResource(android.R.layout.*simple\_dropdown\_item\_1line*);

spin.setAdapter(aa);

b1.setOnClickListener(view -> {

rb = findViewById(rG.getCheckedRadioButtonId());

String name = e1.getText().toString();

String birth = spin.getSelectedItem().toString();

String city = rb.getText().toString();

String meal = "";

if(c1.isChecked())

{

meal = meal + c1.getText();

}

if(c2.isChecked())

{

meal = meal +"," + c2.getText();

}

if(c3.isChecked())

{

meal = meal +"," + c3.getText();

}

if(c4.isChecked())

{

meal = meal +"," + c4.getText();

}

String meal1 = meal;

Bundle bundle = new Bundle();

bundle.putString("name",name);

bundle.putString("birth",birth);

bundle.putString("city",city);

bundle.putString("meal",meal1);

Intent i = new Intent(MainActivity.this,MainActivity2.class);

i.putExtras(bundle);

startActivity(i);

});

}

@Override

public void onItemSelected(AdapterView<?> adapterView, View view, int i, long l) {

Toast.*makeText*(this, birth\_ch[i], Toast.*LENGTH\_SHORT*).show();

}

@Override

public void onNothingSelected(AdapterView<?> adapterView) {

}

}

**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"

tools:context=".MainActivity">

<EditText

android:id="@+id/text"

android:layout\_width="325dp"

android:layout\_height="57dp"

android:hint="Enter your name "

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.434"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.157" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select Berth Choice"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.186"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.262" />

<Spinner

android:id="@+id/spin"

android:layout\_width="325dp"

android:layout\_height="57dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.434"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.353" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select City "

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.171"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.45" />

<RadioGroup

android:id="@+id/rg"

android:layout\_width="325dp"

android:layout\_height="57dp"

android:orientation="horizontal"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.465"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.54">

<RadioButton

android:id="@+id/rb"

android:layout\_width="108dp"

android:layout\_height="match\_parent"

android:checked="true"

android:text="Pune" />

<RadioButton

android:layout\_width="108dp"

android:layout\_height="match\_parent"

android:text="Mumbai" />

<RadioButton

android:layout\_width="108dp"

android:layout\_height="match\_parent"

android:text="Delhi" />

</RadioGroup>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select Meal "

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.175"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.635" />

<CheckBox

android:id="@+id/c1"

android:layout\_width="100dp"

android:layout\_height="wrap\_content"

android:text="Misal"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.194"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.723" />

<CheckBox

android:id="@+id/c2"

android:layout\_width="100dp"

android:layout\_height="wrap\_content"

android:text="PavBhaji"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.717"

app:layout\_constraintStart\_toStartOf="@+id/c1"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.723" />

<CheckBox

android:id="@+id/c3"

android:layout\_width="100dp"

android:layout\_height="wrap\_content"

android:text="Idli-Dosa"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.193"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.842" />

<CheckBox

android:id="@+id/c4"

android:layout\_width="100dp"

android:layout\_height="wrap\_content"

android:text="Poli Bhaji"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.771"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.842" />

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Submit"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.489"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.952" />

</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity2.java**

package com.example.exp16;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;

import android.os.Bundle;

import android.widget.TextView;

public class MainActivity2 extends AppCompatActivity {

TextView t1,t2,t3,t4;

@SuppressLint("SetTextI18n")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main2*);

t1 = findViewById(R.id.*txt1*);

t2 = findViewById(R.id.*txt2*);

t3 = findViewById(R.id.*txt3*);

t4 = findViewById(R.id.*txt4*);

Bundle bundle = getIntent().getExtras();

if(bundle!=null)

{

String name = bundle.getString("name");

String birth = bundle.getString("birth");

String city = bundle.getString("city");

String meal = bundle.getString("meal");

t1.setText("Name : " + name);

t2.setText("Birth Choice : " + birth);

t3.setText("City : " + city);

t4.setText("Meal : " + meal);

}

}

}

**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">

<TextView

android:id="@+id/txt1"

android:layout\_width="353dp"

android:layout\_height="68dp"

android:textSize="20sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.191" />

<TextView

android:id="@+id/txt2"

android:layout\_width="353dp"

android:layout\_height="68dp"

android:textSize="20sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.366" />

<TextView

android:id="@+id/txt3"

android:layout\_width="353dp"

android:layout\_height="68dp"

android:textSize="20sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.55" />

<TextView

android:id="@+id/txt4"

android:layout\_width="353dp"

android:layout\_height="107dp"

android:textSize="20sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.462"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.766" />

</androidx.constraintlayout.widget.ConstraintLayout>