MOBILE APPLICATION DEVELOPMENT INTERNAL LAB EXAM

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20MCA335

Question:

Design a gas booking app

Program Code:

Mainactivity.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"**>

<**TextView**

**android:id="@+id/textView"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="46dp"**

**android:layout\_marginLeft="46dp"**

**android:layout\_marginTop="157dp"**

**android:layout\_marginEnd="307dp"**

**android:layout\_marginRight="307dp"**

**android:layout\_marginBottom="555dp"**

**android:text="Distributor code"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"** />

<**TextView**

**android:id="@+id/textView2"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="50dp"**

**android:layout\_marginLeft="50dp"**

**android:layout\_marginTop="48dp"**

**android:layout\_marginEnd="303dp"**

**android:layout\_marginRight="303dp"**

**android:layout\_marginBottom="484dp"**

**android:text="Consumer Code:"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintHorizontal\_bias="0.404"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toBottomOf="@+id/textView"**

**app:layout\_constraintVertical\_bias="1.0"** />

<**TextView**

**android:id="@+id/textView3"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="43dp"**

**android:layout\_marginLeft="43dp"**

**android:layout\_marginTop="66dp"**

**android:layout\_marginEnd="309dp"**

**android:layout\_marginRight="309dp"**

**android:layout\_marginBottom="403dp"**

**android:text="Mobile No:"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toBottomOf="@+id/textView2"** />

<**EditText**

**android:id="@+id/editText"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="41dp"**

**android:layout\_marginLeft="41dp"**

**android:layout\_marginTop="139dp"**

**android:layout\_marginEnd="30dp"**

**android:layout\_marginRight="30dp"**

**android:layout\_marginBottom="547dp"**

**android:ems="10"**

**android:hint="Enter Distributor Code"**

**android:inputType="number"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toEndOf="@+id/textView"**

**app:layout\_constraintTop\_toTopOf="parent"** />

<**EditText**

**android:id="@+id/editText2"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="40dp"**

**android:layout\_marginLeft="40dp"**

**android:layout\_marginTop="33dp"**

**android:layout\_marginEnd="26dp"**

**android:layout\_marginRight="26dp"**

**android:layout\_marginBottom="468dp"**

**android:ems="10"**

**android:hint="Enter the consumer code"**

**android:inputType="number"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toEndOf="@+id/textView2"**

**app:layout\_constraintTop\_toBottomOf="@+id/editText"** />

<**EditText**

**android:id="@+id/editText3"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="51dp"**

**android:layout\_marginLeft="51dp"**

**android:layout\_marginTop="35dp"**

**android:layout\_marginEnd="40dp"**

**android:layout\_marginRight="40dp"**

**android:layout\_marginBottom="388dp"**

**android:ems="10"**

**android:hint="Registered mobile number"**

**android:inputType="phone"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toEndOf="@+id/textView3"**

**app:layout\_constraintTop\_toBottomOf="@+id/editText2"** />

<**Button**

**android:id="@+id/button"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="150dp"**

**android:layout\_marginLeft="150dp"**

**android:layout\_marginTop="132dp"**

**android:layout\_marginEnd="173dp"**

**android:layout\_marginRight="173dp"**

**android:layout\_marginBottom="208dp"**

**android:text="Register"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toBottomOf="@+id/editText3"** />

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

MainActivity.java

**package** com.example.gasbooking;

**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.TextView;

**public abstract class** MainActivity **extends** AppCompatActivity {

TextView **t1**,**t2**,**t3**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

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

}

**public void** btnClick(View view) {

EditText edt= findViewById(R.id.***editText***);

EditText edt1= findViewById(R.id.***editText2***);

EditText edt2= findViewById(R.id.***editText3***);

Button btn=findViewById(R.id.***button***);

String str = intent.getStringExtra(**"t1"**);

String str1 = intent.getStringExtra(**"t2"**);

String str2 = intent.getStringExtra(**"t3"**);

edt.getText();

edt1.getText();

edt2.getText();

System.***out***.println(getIntent(**"Main2Activity.java"**.getText().toString()));

**this**.btnClick(btn);

}

}

}

Main2Activity.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=".Main2Activity"**>

<**TextView**

**android:id="@+id/textView4"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="161dp"**

**android:layout\_marginLeft="161dp"**

**android:layout\_marginTop="228dp"**

**android:layout\_marginEnd="191dp"**

**android:layout\_marginRight="191dp"**

**android:layout\_marginBottom="484dp"**

**android:text="TextView"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**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\_marginStart="162dp"**

**android:layout\_marginLeft="162dp"**

**android:layout\_marginTop="36dp"**

**android:layout\_marginEnd="190dp"**

**android:layout\_marginRight="190dp"**

**android:layout\_marginBottom="429dp"**

**android:text="TextView"**

**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/textView8"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="161dp"**

**android:layout\_marginLeft="161dp"**

**android:layout\_marginTop="36dp"**

**android:layout\_marginEnd="192dp"**

**android:layout\_marginRight="192dp"**

**android:layout\_marginBottom="373dp"**

**android:text="TextView"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintEnd\_toEndOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toBottomOf="@+id/textView7"** />

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

Main2Activity.java

**package** com.example.gasbooking;

**import** androidx.appcompat.app.AppCompatActivity;

**import** android.content.Intent;

**import** android.os.Bundle;

**import** android.widget.TextView;

**public class** Main2Activity **extends** AppCompatActivity {

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

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

TextView t1=findViewById(R.id.***textView4***);

TextView t2=findViewById(R.id.***textView7***);

TextView t3=findViewById(R.id.***textView8***);

Intent intent = getIntent();

String str = intent.getStringExtra(**"t1"**);

String str1 = intent.getStringExtra(**"t2"**);

String str2 = intent.getStringExtra(**"t3"**);

t1.setText(str);

t2.setText(str1);

t3.setText(str2);

}

}

OUTPUT:

