Vishwakarma Institute of Technology
Department of Engineering Sciences and Humanities (DESH)

Name of the student: Krishna Sunil Sadar

Division: O

Batch: 2

PRN:12310466

Roll Number: 42

Subject: Mobile Application Development

Assignment 2

Problem Statement:Develop an application that uses Layout Managers and event listeners (INTENT)

Program Code:

MainActivity.java code:

```
package com.example.assigment3;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

 private EditText employeeIdEditText, employeeNameEditText,
anotherEmployeeNameEditText; private Button submitButton;

 @Override
 protected void onCreate(Bundle savedInstanceState) {
 super.onCreate(savedInstanceState);
 setContentView(R.layout.activity_main);

 employeeIdEditText = findViewById(R.id.editTextText);
 employeeNameEditText = findViewById(R.id.editTextText2);
 anotherEmployeeNameEditText = findViewById(R.id.editTextText3);
 submitButton = findViewById(R.id.button);

 submitButton.setOnClickListener(new View.OnClickListener() {
 @Override
 public void onClick(View view) {

 String employeeId = employeeIdEditText.getText().toString();
 String employeeName = employeeNameEditText.getText().toString();
 String emd = anotherEmployeeNameEditText.getText().toString();


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


 intent.putExtra("EMPLOYEE_ID", employeeId);
 intent.putExtra("EMPLOYEE_NAME", employeeName);
 intent.putExtra("empdpt", emd);

 startActivity(intent);
 }
 });
 }
}
```

MainActivity2.java:

```
package com.example.assigment3;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity2 extends AppCompatActivity {

 private TextView employeeIdTextView;
 private TextView employeeNameTextView;
 private TextView employeeName2TextView;
 private Button goBack;
 @Override
 protected void onCreate(Bundle savedInstanceState) {
 super.onCreate(savedInstanceState);
 setContentView(R.layout.activity_main2);


 employeeIdTextView = findViewById(R.id.editTextText);
 employeeNameTextView = findViewById(R.id.editTextText2);
 employeeName2TextView = findViewById(R.id.editTextText3);
 goBack=findViewById(R.id.button);


 Intent intent = getIntent();
 if (intent != null) {
 String employeeId = intent.getStringExtra("EMPLOYEE_ID");
 String employeeName = intent.getStringExtra("EMPLOYEE_NAME");
 String employeeName2 = intent.getStringExtra("empdpt");


 employeeIdTextView.setText(employeeId);
  employeeNameTextView.setText(employeeName);
 employeeName2TextView.setText(employeeName2);
 }
 goBack.setOnClickListener(new View.OnClickListener() {
 @Override
 public void onClick(View v) {
 Intent k=new Intent(MainActivity2.this, MainActivity.class);
 startActivity(k);

 }
 });

 }
}
```

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"
 android:background="#241B2F"
 tools:context=".MainActivity">

 <TextView
 android:id="@+id/textView"
 android:layout_width="325dp"
 android:layout_height="58dp"
 android:layout_marginTop="40dp"
 android:gravity="center"
 android:text="Employ Information"
 android:textColor="#FA0808"
 android:textSize="24sp"
 android:textStyle="bold"
 app:layout_constraintEnd_toEndOf="parent"
 app:layout_constraintHorizontal_bias="0.498"
 app:layout_constraintStart_toStartOf="parent"
 app:layout_constraintTop_toTopOf="parent" />
```

```
<androidx.cardview.widget.CardView
android:id="@+id/cardView"
android:layout_width="357dp"
android:layout_height="79dp"
android:layout_marginStart="36dp"
android:layout_marginEnd="18dp"
app:cardCornerRadius="30dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/textView"
app:layout_constraintVertical_bias="0.084">

<EditText
android:id="@+id/editTextText"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_marginStart="20dp"
android:ems="10"
android:hint="Employee id"
android:inputType="text" />
</androidx.cardview.widget.CardView>

<androidx.cardview.widget.CardView
android:id="@+id/cardView2"
android:layout_width="360dp"
android:layout_height="0dp"
android:layout_marginStart="36dp"
android:layout_marginTop="251dp"
android:layout_marginEnd="18dp"
android:layout_marginBottom="175dp"
app:cardCornerRadius="30dp"
app:layout_constraintBottom_toTopOf="@+id/button"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.387">

<EditText
android:id="@+id/editTextText2"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_marginStart="20dp"
android:ems="10"
android:hint="Employee Name"
android:inputType="text" />
</androidx.cardview.widget.CardView>

<androidx.cardview.widget.CardView
android:id="@+id/cardView3"
android:layout_width="360dp"
android:layout_height="82dp"
android:layout_marginEnd="18dp"
app:cardCornerRadius="30dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="@+id/cardView2"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.582">

<EditText
android:id="@+id/editTextText3"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_marginStart="20dp"
android:ems="10"
android:hint="Employee department"
android:inputType="text" />
</androidx.cardview.widget.CardView>

<android.widget.Button
android:id="@+id/button"
android:layout_width="197dp"
android:layout_height="0dp"
android:layout_marginBottom="158dp"
android:background="@drawable/coloru"
android:text="Submit"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/cardView2" />

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

Activity_main2.xml:

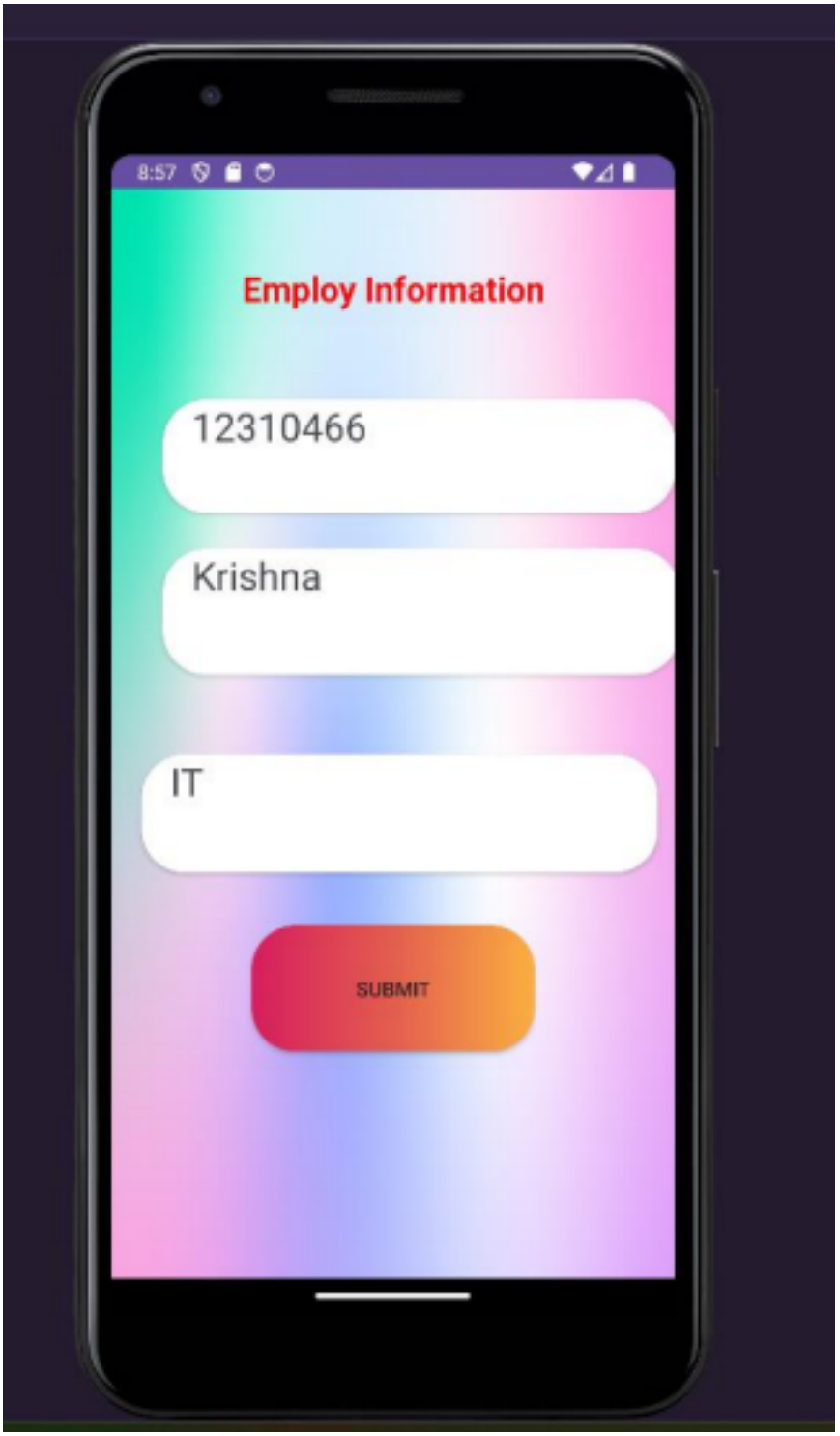
```
<?xml version="1.0" encoding="utf-8"
<androidx.constraintlayout.widget.ConstraintLayout
```

```
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"
 android:background="@drawable/img"
 tools:context=".MainActivity">

 <TextView
 android:id="@+id/textView"
 android:layout_width="325dp"
 android:layout_height="58dp"
 android:layout_marginTop="40dp"
 android:gravity="center"
 android:text="Employ Information"
 android:textColor="#FA0808"
 android:textSize="24sp"
 android:textStyle="bold"
 app:layout_constraintEnd_toEndOf="parent"
 app:layout_constraintHorizontal_bias="0.498"
 app:layout_constraintStart_toStartOf="parent"
 app:layout_constraintTop_toTopOf="parent" />

 <androidx.cardview.widget.CardView
 android:id="@+id/cardView"
 android:layout_width="357dp"
 android:layout_height="79dp"
 android:layout_marginStart="36dp"
 app:cardCornerRadius="30dp"
 app:layout_constraintBottom_toBottomOf="parent"
 app:layout_constraintStart_toStartOf="parent"
 app:layout_constraintTop_toBottomOf="@+id/textView"
 app:layout_constraintVertical_bias="0.084">

 <TextView
 android:id="@+id/editTextText"
 android:layout_width="match_parent"
 android:layout_height="match_parent"
 android:layout_marginStart="20dp"
 android:ems="10"
 android:hint="Employee id"
 android:inputType="text"
 android:textSize="27dp" />
 </androidx.cardview.widget.CardView>

 <androidx.cardview.widget.CardView
 android:id="@+id/cardView2"
 android:layout_width="360dp"
 android:layout_height="0dp"
 android:layout_marginStart="36dp"
 android:layout_marginTop="251dp"
 android:layout_marginBottom="175dp"
 app:cardCornerRadius="30dp"

app:layout_constraintBottom_toTopOf="@+id/bu
tton"
app:layout_constraintStart_toStartOf="parent
"  app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.387">

 <TextView
 android:id="@+id/editTextText2"
 android:layout_width="match_parent"

android:layout_height="match_parent
"
android:layout_marginStart="20dp"
 android:ems="10"
 android:hint="Employee Name"
 android:inputType="text"

 android:textSize="27dp" />

 </androidx.cardview.widget.CardView>

 <androidx.cardview.widget.CardView
 android:id="@+id/cardView3"
 android:layout_width="360dp"
 android:layout_height="82dp"
 app:cardCornerRadius="30dp"

app:layout_constraintBottom_toBottomOf="par
ent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.647
"
app:layout_constraintStart_toStartOf="paren
t"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.582">
```

```
 <TextView
  android:id="@+id/editTextText3"
  android:layout_width="match_parent"

android:layout_height="match_parent
"
android:layout_marginStart="20dp"
  android:ems="10"
  android:hint="Employee department"
  android:inputType="text"
  android:textSize="27dp" />
  </androidx.cardview.widget.CardView>

  <android.widget.Button
  android:id="@+id/button"
  android:layout_width="197dp"
  android:layout_height="0dp"
  android:layout_marginBottom="158dp"
  android:background="@drawable/coloru"
  android:text="Submit"
  app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/cardView
2" />

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

ScreenShot of app:

8:57
Employ Information
12310466
Krishna
IT
SUBMIT


8:57
Employ Information
12310466
Krishna
IT
SUBMIT