1. MainActivity.kt

package com.example.ex2qsn2

//import android.R

import com.example.ex2qsn2.R

import android.content.Intent

import android.graphics.Color

import android.os.Bundle

import android.text.Editable

import android.text.TextWatcher

import android.widget.Button

import android.widget.EditText

import android.widget.ImageView

import android.widget.TextView

import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

val s1 = findViewById<ImageView>(R.id.imageView1)

val s2 = findViewById<ImageView>(R.id.imageView2)

val s3 = findViewById<ImageView>(R.id.imageView3)

val s4 = findViewById<ImageView>(R.id.imageView4)

val s5 = findViewById<ImageView>(R.id.imageView5)

var msg1 = findViewById<TextView>(R.id.textView2)

val btn1 = findViewById<Button>(R.id.btn1)

val mlTxt = findViewById<EditText>(R.id.multiLineEditText1)

msg1.text = " "

mlTxt.addTextChangedListener(object : TextWatcher {

override fun beforeTextChanged(s: CharSequence, start: Int, count: Int, after: Int) {

// No implementation needed

}

override fun onTextChanged(s: CharSequence, start: Int, before: Int, count: Int) {

// No implementation needed

}

override fun afterTextChanged(s: Editable) {

val words = s.toString().split("\\s+".toRegex()).dropLastWhile { it.isEmpty() }

.toTypedArray() // Split text into words

if (words.size > 100) {

// If word count exceeds 100, remove excess words

val excessWords = words.size - 100

val lastIndex = s.toString().lastIndexOf(" ", s.length)

if (lastIndex != -1) {

s.delete(lastIndex, s.length)

}

}

}

})

s1.setOnClickListener {

resetStarColors(s1, msg1)

resetStarColors(s2, msg1)

resetStarColors(s3, msg1)

resetStarColors(s4, msg1)

resetStarColors(s5, msg1)

onStarClk(s1)

msg1.text = "Disappointed : Very Poor"

}

s2.setOnClickListener {

resetStarColors(s1, msg1)

resetStarColors(s2, msg1)

resetStarColors(s3, msg1)

resetStarColors(s4, msg1)

resetStarColors(s5, msg1)

onStarClk(s1)

onStarClk(s2)

msg1.text = "Not Good : Need improvement"

}

s3.setOnClickListener {

resetStarColors(s1, msg1)

resetStarColors(s2, msg1)

resetStarColors(s3, msg1)

resetStarColors(s4, msg1)

resetStarColors(s5, msg1)

onStarClk(s1)

onStarClk(s2)

onStarClk(s3)

msg1.text = "Satisfied"

}

s4.setOnClickListener {

resetStarColors(s1, msg1)

resetStarColors(s2, msg1)

resetStarColors(s3, msg1)

resetStarColors(s4, msg1)

resetStarColors(s5, msg1)

onStarClk(s1)

onStarClk(s2)

onStarClk(s3)

onStarClk(s4)

msg1.text = "Good : I enjoyed it"

}

s5.setOnClickListener {

resetStarColors(s1, msg1)

resetStarColors(s2, msg1)

resetStarColors(s3, msg1)

resetStarColors(s4, msg1)

resetStarColors(s5, msg1)

onStarClk(s1)

onStarClk(s2)

onStarClk(s3)

onStarClk(s4)

onStarClk(s5)

msg1.text = "Awesome : I love it"

}

btn1.setOnClickListener{ onClkBtn1(mlTxt) }

}

fun resetStarColors(s: ImageView, msg1: TextView) {

s.setColorFilter(null)

msg1.text = ""

}

fun onStarClk(s: ImageView) {

s.setColorFilter(Color.YELLOW)

}

fun onClkBtn1(mlTxt : EditText) {

val i = Intent(this, MainActivity2::class.java)

val textToPass = mlTxt.text.toString()

i.putExtra("textToDisplay", textToPass)

startActivity(i)

}

}

2. MainActivity2.kt

package com.example.ex2qsn2

import android.content.Intent

import androidx.appcompat.app.AppCompatActivity

import android.os.Bundle

import android.widget.Button

import android.widget.EditText

import android.widget.TextView

class MainActivity2 : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main2)

val txtV1 = findViewById<TextView>(R.id.txtView21)

val btn1 = findViewById<Button>(R.id.btn1)

val receivedText = intent.getStringExtra("textToDisplay")

txtV1.text = receivedText

btn1.setOnClickListener{ onClkBtn1() }

}

fun onClkBtn1() {

val i = Intent(this, MainActivity::class.java)

startActivity(i)

}

}

3. 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">

<TextView

android:id="@+id/textView1"

android:layout\_width="412dp"

android:layout\_height="71dp"

android:text="We hope you enjoyednyour meal with us today"

android:textAlignment="center"

android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.428"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.118" />

<ImageView

android:id="@+id/imageView1"

android:layout\_width="50dp"

android:layout\_height="40dp"

android:layout\_marginStart="55dp"

android:layout\_marginTop="60dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/textView1"

app:srcCompat="@drawable/star" />

<ImageView

android:id="@+id/imageView2"

android:layout\_width="50dp"

android:layout\_height="40dp"

android:layout\_marginTop="60dp"

app:layout\_constraintStart\_toEndOf="@+id/imageView1"

app:layout\_constraintTop\_toBottomOf="@+id/textView1"

app:srcCompat="@drawable/star" />

<ImageView

android:id="@+id/imageView3"

android:layout\_width="50dp"

android:layout\_height="40dp"

android:layout\_marginTop="60dp"

app:layout\_constraintStart\_toEndOf="@+id/imageView2"

app:layout\_constraintTop\_toBottomOf="@+id/textView1"

app:srcCompat="@drawable/star" />

<ImageView

android:id="@+id/imageView4"

android:layout\_width="50dp"

android:layout\_height="40dp"

android:layout\_marginTop="60dp"

app:layout\_constraintStart\_toEndOf="@+id/imageView3"

app:layout\_constraintTop\_toBottomOf="@+id/textView1"

app:srcCompat="@drawable/star" />

<ImageView

android:id="@+id/imageView5"

android:layout\_width="50dp"

android:layout\_height="40dp"

android:layout\_marginTop="60dp"

app:layout\_constraintStart\_toEndOf="@+id/imageView4"

app:layout\_constraintTop\_toBottomOf="@+id/textView1"

app:srcCompat="@drawable/star" />

<TextView

android:id="@+id/textView2"

android:layout\_width="360dp"

android:layout\_height="48dp"

android:layout\_marginTop="45dp"

android:textSize="24sp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.462"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/imageView3" />

<EditText

android:id="@+id/multiLineEditText1"

android:layout\_width="291dp"

android:layout\_height="127dp"

android:layout\_marginTop="80dp"

android:hint="Enter your feedback"

android:inputType="textMultiLine"

android:minLines="5"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.458"

app:layout\_constraintStart\_toStartOf="parent"

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

<Button

android:id="@+id/btn1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="45dp"

android:layout\_marginTop="35dp"

android:layout\_marginEnd="45dp"

android:text="Send Feedback"

android:textSize="24sp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/multiLineEditText1" />

</androidx.constraintlayout.widget.ConstraintLayout>

4. 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/txtView21"

android:layout\_width="270dp"

android:layout\_height="189dp"

android:layout\_marginTop="228dp"

android:text="Feedback"

android:textSize="24sp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.496"

app:layout\_constraintStart\_toStartOf="parent"

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

<Button

android:id="@+id/btn1"

android:layout\_width="185dp"

android:layout\_height="56dp"

android:layout\_marginTop="16dp"

android:text="Return"

android:textSize="24sp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/txtView21" />

</androidx.constraintlayout.widget.ConstraintLayout>