**Problem Statement:** Create an application to Share Data using 2 Activities.

**AndroidManifest.xml Manifest File:**

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

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools">

<application

android:allowBackup="true"

android:dataExtractionRules="@xml/data\_extraction\_rules"

android:fullBackupContent="@xml/backup\_rules"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:roundIcon="@mipmap/ic\_launcher\_round"

android:supportsRtl="true"

android:theme="@style/Theme.ShareDataUsingTwoActivities"

tools:targetApi="31">

<activity

android:name=".SecondActivity"

android:exported="false" />

<activity

android:name=".MainActivity"

android:exported="true">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

</application>

</manifest>

**activity\_main.xml Layout Resource File:**

<?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:id="@+id/main"

android:layout\_gravity="center"

android:orientation="vertical"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center\_horizontal"

android:text="@string/share\_security\_key"

android:textSize="35sp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.326" />

<EditText

android:id="@+id/nameEditText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginHorizontal="30dp"

android:autofillHints="PratikB"

android:hint="@string/please\_enter\_username"

android:paddingBottom="10dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.458" />

<EditText

android:id="@+id/keyEditText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="15dp"

android:layout\_marginHorizontal="30dp"

android:autofillHints="2A56GJ7"

android:hint="@string/please\_enter\_security\_key"

android:paddingBottom="10dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="@+id/nameEditText"

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

<Button

android:id="@+id/submitBtn"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="@string/share"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.498"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.644" />

</androidx.constraintlayout.widget.ConstraintLayout>

**activity\_second.xml Layout Resource File:**

<?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:id="@+id/main"

android:layout\_width="match\_parent"

android:orientation="vertical"

android:layout\_height="match\_parent"

tools:context=".SecondActivity">

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="@string/your\_security\_key\_sir"

android:textAlignment="center"

android:textSize="20sp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="1.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.306" />

<TextView

android:id="@+id/nameText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="30dp"

android:text="@string/username"

android:textAlignment="center"

android:textSize="20sp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.461" />

<TextView

android:id="@+id/keyText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="10dp"

android:text="@string/security\_key"

android:textAlignment="center"

android:textSize="20sp"

android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.553" />

</androidx.constraintlayout.widget.ConstraintLayout>

**colors.xml Values Resource File:**

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

<resources>

<color name="black">#FF000000</color>

<color name="white">#FFFFFFFF</color>

</resources>

**strings.xml Values Resource File:**

<resources>

<string name="app\_name">ShareDataUsingTwoActivities</string>

<string name="please\_enter\_security\_key">Please Enter Security Key</string>

<string name="share">Share</string>

<string name="share\_security\_key">Share Security Key</string>

<string name="please\_enter\_username">Please Enter Username</string>

<string name="your\_security\_key\_sir">Your Security Key, Sir!</string>

<string name="username">Username</string>

<string name="security\_key">Security Key</string>

</resources>

**MainActivity.java JAVA File:**

package com.example.sharedatausingtwoactivities;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import androidx.activity.EdgeToEdge;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.graphics.Insets;

import androidx.core.view.ViewCompat;

import androidx.core.view.WindowInsetsCompat;

public class MainActivity extends AppCompatActivity {

private EditText name, key;

private Button share;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

EdgeToEdge.enable(this);

setContentView(R.layout.activity\_main);

// ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {

// Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());

// v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);

// return insets;

// });

share = findViewById(R.id.submitBtn);

name = findViewById(R.id.nameEditText);

key = findViewById(R.id.keyEditText);

share.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

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

String k = key.getText().toString();

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

intent.putExtra("nameUser", n);

intent.putExtra("keyUser", k);

startActivity(intent);

}

});

}

}

**SecondActivity.java JAVA File:**

package com.example.sharedatausingtwoactivities;

import android.os.Bundle;

import android.widget.TextView;

import androidx.activity.EdgeToEdge;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.graphics.Insets;

import androidx.core.view.ViewCompat;

import androidx.core.view.WindowInsetsCompat;

public class SecondActivity extends AppCompatActivity {

TextView nameTextView, keyTextView;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

EdgeToEdge.enable(this);

setContentView(R.layout.activity\_second);

// ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {

// Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());

// v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);

// return insets;

// });

nameTextView = findViewById(R.id.nameText);

keyTextView = findViewById(R.id.keyText);

String username = getIntent().getStringExtra("nameUser");

String userkey = getIntent().getStringExtra("keyUser");

nameTextView.setText(username);

keyTextView.setText(userkey);

}

}

**OUTPUT:**



