

TUTORIAL PEMBUATAN PROJECT APLIKASI

PEMOGRAMAN MOBILE 1



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PROGRAM STUDI TEKNIK INFORMATIKA

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ProjectUAS

UAS_PEMROGRAMANMOBILE

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Daftar Isi

Harap klik satu persatu agar update penjelasan dan hasil program terlihat berurutan

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Tugas 1

...

Buatkanlah :

1. Launcher Splash logo masing-masing Individu

2. Buatkanlah untuk menampilkan semua project sebelum UTS dengan metode Ekplisit Intent dan

Implisit Intent:

a. Project Hallo

b. Project Count

c. Project Sianida

d. Project TwoActivity

e. Project Set Alarm

Untuk tampilan Layout Bebas, terima kasih.

...

Tugas 2

![tugas p10](https://github.com/syifaaurellia/IntentProject2/assets/115867244/439f806f-6f3d-4712-b9f4-c70c77f8a4e7)

Tugas 3

![tugas](https://github.com/syifaaurellia/fragment_test/assets/115867244/fb861b7f-9579-47f3-a830-8cc7d896afbf)

> ****Pada tugas 3 saya juga akan menambahkan video trailer di setiap film****

Penjelasan & Hasil Program Tugas 1

1. Launcher Splash Logo

Pertama, yaitu membuat Launcher Splash Logo atau menampilkan logo / icon saat kita pertama kali membuka aplikasi.

Caranya adalah :

- Persiapkan gambar terlebih dahulu
- Selanjutnya kita klik `app`, lalu klik `res` dan setelahnya kita pilih dan klik `mipmap`
- Setelah itu klik kanan pada bagian `mipmap`, lalu pilih `new`
- Lalu pilih dan klik `Image Asset`
- Lalu ketika sudah terbuka, kita klik bagian `Icon Type` lalu pilih yang `Launcher Icons (Adaptive and Legacy)`
- Lalu pada bagian `Path` kita klik logo file lalu kita pilih dan klik file gambar yang telah disiapkan sebelumnya dan klik `OK`
- Lalu untuk ukuran logo / ikon bisa kita atur pada bagian `Resize`, Jika sudah kita klik `Next`
- Setelah itu kita klik `Finish`, Maka logo / ikon aplikasi kita akan berubah sesuai gambar yang kita inginkan

Untuk menambahkan file gambar seperti untuk SplashScreen, Background di setiap project kita bisa klik bagian `Resource Manager` lalu kita klik tanda `+`. Setelah itu kita pilih dan klik `Import Drawables`, setelah itu kita pilih dan klik file gambar yang sudah kita siapkan lalu klik `OK`. Maka gambar akan tersedia di `res` pada `drawable`.

- Lalu buka `backgroundlauncher.xml` dan masukkan code ini :

...

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

```
<layer-list xmlns:android="http://schemas.android.com/apk/res/android">
```

```
    <item android:drawable="@color/birumuda"/>
```

```
    <item>
```

```
        <bitmap
```

```

        android:src="@drawable/logo"

        android:gravity="center" />
    </item>
</layer-list>
...

```

> Untuk Warna bisa kita sesuaikan dengan Logo yang telah kita tambahkan sebelumnya

- Lalu, buka `themes.xml` yang letaknya ada di `*res/values/themes*`, dan tambahkan code ini didalam resourcesnya :

```

...

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

    <!-- Base application theme. -->

    <style name="SplashScreen" parent="Theme.MaterialComponents.DayNight.NoActionBar">

        <item name="android:windowBackground">@drawable/bg2</item>

        <item name="android:statusBarColor">?attr/colorOnPrimary</item>

    </style>

</resources>

...

```

- Selanjutnya kita buat java class nya agar SplashScreen bisa berjalan, lalu pada `SplashScreen.java` kita masukkan code dibawah ini :

```

...

package com.projectwafha;

import android.content.Intent;

```

```

import android.os.Bundle;

import android.os.Handler;


import androidx.appcompat.app.AppCompatActivity;


public class SplashScreen extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);


        new Handler().postDelayed(new Runnable() {

            @Override

            public void run() {

                startActivity(new Intent(SplashScreen.this, MainActivity.class));

                finish();

            }

        }, 2500);

    }

}

```

> Code di atas digunakan untuk menampilkan SplashScreen, ketika SplashScreen selesai dalam 2.5 detik maka akan langsung berpindah pada tampilan `MainActivity.java`.

- Buka `AndroidManifest.xml`, dan tambahkan code berikut didalam `*application*` :

```

...

```

```

<activity
    android:name=".SplashScreen"
    android:exported="true"
    android:theme="@style/SplashScreen">
    <intent-filter>
        <action android:name="android.intent.action.MAIN" />
        <category android:name="android.intent.category.LAUNCHER" />
    </intent-filter>
</activity>
...

```

Selesai sudah kita membuat perintah Launcher Splash Logo, Selanjutnya kita akan ke tahap berikutnya yaitu membuat menu untuk menampilkan semua project yang sudah dibuat pada pertemuan sebelumnya.

2. Menu Utama

Yang kedua, disini kita akan membuat menu utamanya yang akan berjalan setelah SplashScreen Logo.

Caranya adalah:

Jika awal pembuatan project kita memilih template Empty Views Activity, maka pada layout otomatis terbuat file `activity_main.xml` dan pada java akan ada `MainActivity.java`.

Maka langsung saja kita buka `activity_main.xml`, dan buat code seperti berikut ini:

```

...

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

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"

```


android:layout_height="match_parent"

tools:context=".MainActivity">

<ImageView

android:id="@+id/background"

android:layout_width="match_parent"

android:layout_height="match_parent"

android:background="@drawable/bg1"

android:adjustViewBounds="true"

android:scaleType="centerCrop"/>

<TextView

android:id="@+id/txtJudul"

android:layout_width="match_parent"

android:layout_height="68dp"

android:layout_alignParentTop="true"

android:layout_alignParentBottom="true"

android:layout_marginTop="46dp"

android:layout_marginBottom="569dp"

android:gravity="center"

android:scaleType="centerCrop"

android:text="Please select and click on the project below"

android:textColor="@color/black"

android:textSize="25dp"

android:textStyle="bold" />

<Button

```
    android:id="@+id/btnHelloWorld"
    android:layout_width="150dp"
    android:layout_height="60dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_marginStart="100dp"
    android:layout_marginTop="200dp"
    android:layout_marginEnd="100dp"
    android:onClick="btnHelloWorld"
    android:background="@color/hijaumuda"
    android:text="Hello World!!!"
    tools:ignore="UsingOnClickInXml"
    android:scaleType="centerCrop"/>
```

<Button

```
    android:id="@+id/btnProjectCount"
    android:layout_width="150dp"
    android:layout_height="60dp"
    android:layout_below="@+id/btnHelloWorld"
    android:layout_alignParentStart="true"
    android:layout_alignParentEnd="true"
    android:layout_marginStart="100dp"
```

```
android:layout_marginTop="20dp"
android:layout_marginEnd="100dp"
android:onClick="btnCount"
android:background="@color/cream"
android:text="Count"
tools:ignore="UsingOnClickInXml"
android:scaleType="centerCrop"/>
```

<Button

```
android:id="@+id/btnProjectSianida"
android:layout_width="150dp"
android:layout_height="60dp"
android:layout_below="@+id/btnProjectCount"
android:layout_alignParentStart="true"
android:layout_alignParentEnd="true"
android:layout_marginStart="100dp"
android:layout_marginTop="20dp"
android:layout_marginEnd="100dp"
android:onClick="btnSianida"
android:background="@color/birumuda"
android:scaleType="centerCrop"
android:text="Scroll Movie"
tools:ignore="UsingOnClickInXml" />
```

<Button

```
android:id="@+id/btnTwoActivity"
android:layout_width="150dp"
android:layout_height="60dp"
android:layout_below="@+id/btnProjectSianida"
android:layout_alignParentEnd="true"
android:layout_alignParentStart="true"
android:layout_marginTop="20dp"
android:layout_marginEnd="100dp"
android:layout_marginStart="100dp"
android:onClick="btnTwoActivity"
android:background="@color/pink"
android:text="Two Activity"
tools:ignore="UsingOnClickInXml"
android:scaleType="centerCrop"/>
```

<Button

```
android:id="@+id/btnSetAlarm"
android:layout_width="150dp"
android:layout_height="60dp"
android:layout_below="@+id/btnTwoActivity"
android:layout_alignParentStart="true"
android:layout_alignParentEnd="true"
android:layout_marginStart="100dp"
android:layout_marginTop="20dp"
android:layout_marginEnd="100dp"
```

```
    android:onClick="btnSetAlarm"

    android:background="@color/purple"

    android:text="Set Alarm"

    tools:ignore="UsingOnClickInXml"

    android:scaleType="centerCrop"/>
```

```
</RelativeLayout>
```

```
...
```

- Setelah itu kita buka `MainActivity.java` untuk menambahkan code intent untuk masing-masing tombol :

```
...
```

```
package com.projectwafha;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
public class MainActivity extends AppCompatActivity {
```

```
    @Override
```

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

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_main);
```

```

findViewById(R.id.btnSetAlarm).setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // Panggil metode untuk mengatur alarm

        setAlarm();

    }

});

}

private void setAlarm() {

    Intent alarm = new Intent(android.provider.AlarmClock.ACTION_SET_ALARM);

    startActivity(alarm);

}

public void btnHelloWorld(View view) {

    Intent helloworld = new Intent(MainActivity.this, HelloActivity.class);

    startActivity(helloworld);

}

public void btnCount(View view) {

    Intent count = new Intent(MainActivity.this, CountActivity.class);

    startActivity(count);

}

public void btnSianida(View view) {

    Intent sianida = new Intent(MainActivity.this, SianidaActivity.class);

```

```

        startActivity(sianida);
    }

    public void btnTwoActivity(View view) {

        Intent twoact = new Intent(MainActivity.this, TwoActivity.class);

        startActivity(twoact);

    }
}
...

```

> Button *HelloWorld, Count, Sianida dan TwoActivity* menggunakan Explicit Intent, dan project *SetAlarm* menggunakan Implicit Intent.

> Menu halaman utama dan tombol-tombol aplikasi sudah berhasil dibuat. Maka selanjutnya yang kita lakukan adalah menambahkan coding pada `AndroidManifest.xml` agar aplikasi dapat berjalan.

3. AndroidManifest.xml

Didalam `AndroidManifest.xml` kita tambahkan semua java class dari semua project kita sebelumnya. Berikut nama java class dari berbagai project yang telah saya buat:

a. Project Hello World = HelloActivity.java

b. Project Count = CountActivity.java

c. Project Scroll Movie = SianidaActivity.java

d. Project TwoActivity = TwoActivity.java dan Two2Activity.java

e. Project Set Alarm = MainActivity.java (karena merupakan Implicit Intent, jadi code untuk set alarm langsung dibuat disini)

...

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

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

    <uses-permission
        android:name="com.android.alarm.permission.SET_ALARM" />

    <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.Design.Light"
        tools:targetApi="31">

        <activity
            android:name=".MainActivity"
            android:exported="true">

            <intent-filter>

                <action android:name="android.intent.action.SET_ALARM" />
```



```
        <category android:name="android.intent.category.DEFAULT" />
    </intent-filter>
</activity>
```

```
<activity
    android:name=".HelloActivity"
    android:exported="true" />
```

```
<activity
    android:name=".TwoActivity"
    android:exported="true" />
```

```
<activity
    android:name=".Two2Activity"
    android:exported="true" />
```

```
<activity
    android:name=".CountActivity"
    android:exported="true" />
```

```
<activity
    android:name=".SianidaActivity"
    android:exported="true" />
```

```
<activity
```

```

        android:name=".SplashScreen"

        android:exported="true"

        android:theme="@style/SplashScreen">

        <intent-filter>

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

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

        </intent-filter>

    </activity>

</application>

</manifest>

...

```

4. Code All Projects (Strings, Colors dan Dimens)

> `Strings.xml`

```

...

<resources>

    <string name="app_name">WafhaProject</string>

    <string name="Hello_World">Hello World!!</string>


    <string name="button_main">Send</string>

    <string name="editText_main">Enter Your Message Here</string>

    <string name="text_header">Message Received</string>

    <string name="buttton_second">Reply</string>

    <string name="editText_second">Enter Your Reply Here</string>

```

<string name="text_header_reply">Reply Received</string>

<string name="button_label_toast">Toast</string>

<string name="button_label_count">Count</string>

<string name="count_initial_value">1</string>

<string name="toast_message">Hello Toast!</string>

<string name="button_label_restart">Restart</string>

<string name="enter_fibonacci_limit">Masukkan Angka Limit</string>

<string name="article_title"> Kasus Sianida</string>

<string name="article_subtitle">ICE COLD!</string>

<string name="article_text"> Film dokumenter Ice Cold: Murder, Coffee and Jessica Wongso memaparkan pertanyaan tak terjawab tentang persidangan yang dilalui Jessica Wongso. Dengan menyajikan perspektif baru, film ini hadir bertahun-tahun setelah kematian sahabat Jessica, Wayan Mirna Salihin.

Film ini menggambarkan bagaimana Jessica yang mengajak teman-temannya, termasuk Mirna, untuk bertemu setelah sekian lama tak berjumpa. Pertemuan di salah satu kafe di mal ibu kota tersebut pun berlangsung lancar, sebelum akhirnya Mirna pingsan sesaat setelah meminum kopi yang sebelumnya dipesan Jessica. Dokumenter ini turut menyajikan rekaman CCTV pada waktu kejadian, berbagai footage berita saat persidangan berlangsung, hingga wawancara eksklusif dengan beberapa sumber, termasuk Jessica Wongso.

Persidangan atas dugaan pembunuhan Mirna Salihin digelar lima bulan setelah kematiannya. Sidang tersebut melalui 32 kali persidangan dengan menghadirkan puluhan saksi di pengadilan. Hasilnya, Jessica Wongso divonis bersalah atas kematian Mirna dan dijatuhi hukuman 20 tahun penjara.

Kasus yang berjalan cukup lama tersebut menyita banyak perhatian dari masyarakat Indonesia. Musababnya, banyak misteri tak terjawab selama rangkaian persidangan yang panjang tersebut. Salah satunya adalah mengenai akses untuk mendapatkan bubuk sianida yang tidak bisa didapatkan oleh orang sembarangan. Selain itu, motif Jessica di balik pembunuhan tersebut pun belum menemukan jawabannya.

Film dokumenter buatan Netflix ini menyoroti rangkaian persidangan yang saat itu menjadi sidang pertama yang disiarkan secara langsung di berbagai stasiun televisi Indonesia. Selain itu, kasus ini juga diliput secara intens oleh media massa, baik nasional maupun internasional. Tak hanya itu, pihak rumah produksi Beach House Pictures juga berhasil mendapatkan akses untuk mewawancarai Jessica Wongso secara langsung dari balik tahanan. Dalam video trailer yang diluncurkannya, ditampilkan juga sejumlah wawancara eksklusif yang dilakukan dengan beberapa narasumber. Mulai dari ayah dan saudara kembar Mirna Salihin, pengacara Jessica Wongso, jurnalis yang mendalami kasus tersebut, hingga bagaimana saat itu kasus ini begitu ramai diberitakan oleh media massa Indonesia dan internasional.</string>

</resources>

...

> `Colors.xml`

...

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

<resources>

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

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

<color name="blue">#3700B3</color>

<color name="pink">#FFC0CB</color>

<color name="colorPrimary">#3F5185</color>

<color name="colorPrimaryDark">#303F9F</color>

<color name="colorAccent">#FF4081</color>

```

    <color name="birumuda">#ABCBFA</color>

    <color name="purple">#E3A2ED</color>

    <color name="hijau">#92A676</color>

    <color name="biru">#8FC2EA</color>

    <color name="hijaumuda">#C2E69C</color>

    <color name="cream">#E6C18A</color>

</resources>

...

> `Dimens.xml`
...

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

<resources>

    <dimen name="padding_regular">10dp</dimen>

    <dimen name="line_spacing">5sp</dimen>

</resources>

...

```

A. Code Project Hello World

```

> `activity_hello.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=".HelloActivity">
```

```
<ImageView

    android:id="@+id/background"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:background="@drawable/bg3"

    android:adjustViewBounds="true"

    android:scaleType="centerCrop"/>
```

```
<TextView

    android:id="@+id/txthello"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:gravity="center"

    android:text="Hello World!!"

    android:textColor="@color/hijau"

    android:textSize="20pt"

    android:textStyle="bold"

    app:layout_constraintBottom_toBottomOf="parent"

    app:layout_constraintEnd_toEndOf="parent"

    app:layout_constraintHorizontal_bias="0.503"

    app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toTopOf="parent"

app:layout_constraintVertical_bias="0.413"

tools:ignore="TextSizeCheck" />
```

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

```
...
```

```
> `HelloActivity.java`
```

```
...
```

```
package com.projectwafha;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.os.Bundle;
```

```
public class HelloActivity extends AppCompatActivity{

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_hello);

    }

}
```

```
...
```

```
## B. Code Project Count
```

```
> `activity_count.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:ignore="ExtraText"
```

```
    tools:context=".CountActivity">
```

```
<ImageView
```

```
    android:id="@+id/background"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

```
    android:background="@drawable/bg4"
```

```
    android:adjustViewBounds="true"
```

```
    android:scaleType="centerCrop" />
```

```
<Button
```

```
    android:id="@+id/button_limit"
```

```
    android:layout_width="354dp"
```

```
    android:layout_height="76dp"
```



```
android:layout_marginStart="8dp"
android:layout_marginTop="16dp"
android:layout_marginEnd="8dp"
android:background="@color/cream"
android:onClick="setLimit"
android:text="Masukkan Angka Limit"
android:textColor="@android:color/black"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.507"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
tools:ignore="UsingOnClickInXml,VisualLintButtonSize" />
```

<Button

```
android:id="@+id/button_count"
android:layout_width="173dp"
android:layout_height="70dp"
android:layout_marginStart="8dp"
android:layout_marginEnd="8dp"
android:layout_marginBottom="24dp"
android:background="@color/cream"
android:onClick="countUp"
android:text="Count"
android:textColor="@android:color/black"
app:layout_constraintBottom_toBottomOf="parent"
```

```
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.039"
app:layout_constraintStart_toStartOf="parent"
tools:ignore="UsingOnClickInXml,VisualLintButtonSize" />
```

<Button

```
android:id="@+id/button_restart"
android:layout_width="173dp"
android:layout_height="72dp"
android:layout_marginStart="8dp"
android:layout_marginEnd="8dp"
android:layout_marginBottom="24dp"
android:background="@color/cream"
android:onClick="back1"
android:text="Restart"
android:textColor="@android:color/black"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.965"
app:layout_constraintStart_toStartOf="parent"
tools:ignore="UsingOnClickInXml" />
```

<TextView

```
android:id="@+id/show_count"
android:layout_width="305dp"
```

```
    android:layout_height="442dp"

    android:layout_marginTop="8dp"

    android:layout_marginEnd="8dp"

    android:layout_marginBottom="8dp"

    android:gravity="center_vertical"

    android:text="1"

    android:textAlignment="center"

    android:textColor="@color/colorAccent"

    android:textSize="160sp"

    android:textStyle="bold"

    app:layout_constraintBottom_toTopOf="@id/button_count"

    app:layout_constraintEnd_toEndOf="parent"

    app:layout_constraintHorizontal_bias="0.505"

    app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toBottomOf="@id/button_limit"

    app:layout_constraintVertical_bias="0.51"

    tools:ignore="RtlCompat" />
```

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

```
...
```

```
> `CountActivity.java`
```

```
...
```

```
package com.projectwafha;
```

```
import android.app.AlertDialog;

import android.content.DialogInterface;

import android.graphics.Color;

import android.os.Bundle;

import android.view.View;

import android.widget.EditText;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;


public class CountActivity extends AppCompatActivity {

    private TextView show_count;

    private int count = 1;

    private long fibNMinus1 = 1;

    private long fibNMinus2 = 1;

    private int limit = -1; // Inisialisasi limit dengan nilai default


    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_count);


        show_count = findViewById(R.id.show_count);

    }
```

```

public void countUp(View view) {

    if (count == 0) {

        show_count.setText("0");

    }

    else if (count == 1) {

        show_count.setText("1");

    }

    else {

        if (limit != -1 && count > limit) {

            // Jika count melebihi limit, atur ulang perhitungan

            count = 0;

            fibNMinus1 = 1;

            fibNMinus2 = 0;

            show_count.setText(getString(R.string.count_initial_value));

        }

        else {

            long fibCurrent = fibNMinus1 + fibNMinus2;

            fibNMinus2 = fibNMinus1;

            fibNMinus1 = fibCurrent;


            //Mengatur warna teks berdasarkan angka Fibonacci

            int colorResId = R.color.colorAccent; // Warna Default

            switch (count % 11) {

                case 1:

                    colorResId = R.color.colorAccent; // Warna Pink Tua

```

break;

case 2:

colorResId = R.color.hijaumuda; // Warna Hijau Muda

break;

case 3:

colorResId = R.color.purple; // Warna Ungu

break;

case 4:

colorResId = R.color.salem; // Warna Salem

break;

case 5:

colorResId = R.color.birumuda; // Warna Biru Muda

break;

case 6 :

colorResId = R.color.kuning; // Warna Kuning

break;

case 7:

colorResId = R.color.hijau; // Warna Hijau

break;

case 8:

colorResId = R.color.cream; // Warna Cream

break;

case 9:

colorResId = R.color.pink; // Warna Pink

break;

```

        case 10:

            colorResId = R.color.biru; // Warna Biru

            break;

        case 11:

            colorResId = R.color.orange; // Warna Orange

            break;

    }

    show_count.setTextColor(getResources().getColor(colorResId));

    show_count.setText(String.valueOf(fibCurrent));

}

}

count++;

}

public void back1(View view) {

    count = 1;

    fibNMinus1 = 1;

    fibNMinus2 = 0;

    show_count.setText(getString(R.string.count_initial_value));

}

public void setLimit(View view) {

    // Create and display a dialog to set the limit

    AlertDialog.Builder builder = new AlertDialog.Builder(this);

```

```
builder.setTitle("Set Limit");
```

```
final EditText input = new EditText(this);
```

```
input.setInputType(android.text.InputType.TYPE_CLASS_NUMBER);
```

```
builder.setView(input);
```

```
builder.setPositiveButton("OK", new DialogInterface.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(DialogInterface dialog, int which) {
```

```
        // Get the limit from the input and set it for calculations
```

```
        String limitStr = input.getText().toString();
```

```
        limit = Integer.parseInt(limitStr);
```

```
    }
```

```
});
```

```
builder.setNegativeButton("Cancel", new DialogInterface.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(DialogInterface dialog, int which) {
```

```
        dialog.cancel();
```

```
    }
```

```
});
```

```
builder.show();
```

```
}
```

```
}
```


...

C. Code Project Scroll Movie

> `activity_scrollmovie.xml`

...

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

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

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

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

```
    tools:context=".SianidaActivity">
```

```
    <TextView
```

```
        android:id="@+id/article_heading"
```

```
        android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"
```

```
        android:background="@color/biru"
```

```
        android:padding="@dimen/padding_regular"
```

```
        android:text="@string/article_title"
```

```
        android:textAppearance="@android:style/TextAppearance.DeviceDefault.Large"
```

```
        android:textColor="@android:color/white"
```

```
        android:textStyle="bold" />
```

```
    <ScrollView
```

```
        android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:layout_below="@id/article_heading">
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">
```

```
<TextView
```

```
    android:id="@+id/article_subheading"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:padding="@dimen/padding_regular"
    android:text="@string/article_subtitle"
    android:textAlignment="center"
    android:textAppearance="@android:style/TextAppearance.DeviceDefault"
    android:textColor="#1AA0C1" />
```

```
<TextView
```

```
    android:id="@+id/article"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:autoLink="web"
    android:lineSpacingExtra="@dimen/line_spacing"
    android:padding="@dimen/padding_regular"
```

```

        android:text="@string/article_text"

        tools:ignore="VisualLintLongText" />
    </LinearLayout>
</ScrollView>
</RelativeLayout>
...

> `SianidaActivity.java`
...

package com.projectwafha;

import android.os.Bundle;

import androidx.appcompat.app.AppCompatActivity;

public class SianidaActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState){
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_scrollmovie);
    }
}
...

```

D. Code Project Two Activity

> `activity_twoactivity.xml`

...

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

```
<androidx.constraintlayout.widget.ConstraintLayout
```

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

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

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

```
    xmlns:app="http://schemas.android.com/apk/res-auto"
```

```
    tools:context=".TwoActivity">
```

```
<ImageView
```

```
    android:id="@+id/background"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

```
    android:adjustViewBounds="true"
```

```
    android:scaleType="centerCrop"
```

```
    android:src="@drawable/bg5" />
```

```
<TextView
```

```
    android:id="@+id/text_header_reply"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_marginStart="8dp"
```

```
android:layout_marginLeft="8dp"
android:layout_marginTop="16dp"
android:text="@string/text_header_reply"
android:textAppearance="@style/TextAppearance.AppCompat.Medium"
android:textStyle="bold"
android:visibility="invisible"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"/>
```

<TextView

```
android:id="@+id/text_message_reply"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="8dp"
android:layout_marginLeft="8dp"
android:layout_marginTop="8dp"
android:visibility="invisible"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/text_header_reply" />
```

<Button

```
android:id="@+id/button_main"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="16dp"
```

```
android:layout_marginRight="16dp"
android:text="@string/button_main"
android:background="@color/pink"
android:onClick="LaunchSecondActivity"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintRight_toRightOf="parent"
tools:ignore="UsingOnClickInXml"/>
```

```
<EditText
```

```
    android:id="@+id/editText_main"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginBottom="16dp"
    android:ems="10"
    android:hint="@string/editText_main"
    android:inputType="textLongMessage"
    android:minHeight="48dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toStartOf="@+id/button_main"
    app:layout_constraintStart_toStartOf="parent" />
```

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

```
...
```

```
> `activity_twoact2.xml`
```

```
...
```

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

```
<androidx.constraintlayout.widget.ConstraintLayout
```

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

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

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

```
    xmlns:app="http://schemas.android.com/apk/res-auto"
```

```
    tools:context=".Two2Activity">
```

```
<ImageView
```

```
    android:id="@+id/background"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

```
    android:adjustViewBounds="true"
```

```
    android:scaleType="centerCrop"
```

```
    android:src="@drawable/bg5" />
```

```
<TextView
```

```
    android:id="@+id/text_header"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_marginStart="8dp"
```

```
    android:layout_marginLeft="8dp"
```

```
android:layout_marginTop="16dp"

android:text="@string/text_header"

android:textAppearance="@style/TextAppearance.AppCompat.Medium"

android:textStyle="bold"

app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toTopOf="parent" />
```

<TextView

```
android:id="@+id/text_message"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginStart="8dp"

android:layout_marginLeft="8dp"

android:layout_marginTop="8dp"

app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@+id/text_header" />
```

<Button

```
android:id="@+id/button_second"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginBottom="16dp"

android:layout_marginRight="16dp"

android:text="@string/buttton_second"

android:onClick="returnReply"
```



```
    android:background="@color/pink"

    app:layout_constraintBottom_toBottomOf="parent"

    app:layout_constraintRight_toRightOf="parent"

    tools:ignore="UsingOnClickInXml" />
```

```
<EditText
```

```
    android:id="@+id/editText_second"

    android:layout_width="0dp"

    android:layout_height="wrap_content"

    android:layout_marginStart="8dp"

    android:layout_marginEnd="8dp"

    android:layout_marginBottom="16dp"

    android:ems="10"

    android:hint="@string/editText_second"

    android:inputType="textLongMessage"

    android:minHeight="48dp"

    app:layout_constraintBottom_toBottomOf="parent"

    app:layout_constraintEnd_toStartOf="@+id/button_second"

    app:layout_constraintStart_toStartOf="parent" />
```

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

```
...
```

```
> `TwoActivity.java`
```

```
...
```

```
package com.projectwafha;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.util.Log;
```

```
import android.view.View;
```

```
import android.widget.EditText;
```

```
import android.widget.TextView;
```

```
public class TwoActivity extends AppCompatActivity {
```

```
    private static final String LOG_TAG = TwoActivity.class.getSimpleName();
```

```
    public static final String EXTRA_MESSAGE = "com.example.android.Two2Activity.extra.MESSAGE";
```

```
    public static final int TEXT_REQUEST = 1;
```

```
    private EditText mMessageEditText;
```

```
    private TextView mReplyHeadTextView;
```

```
    private TextView mReplyTextView;
```

```
    @Override
```

```
protected void onCreate(Bundle savedInstanceState) {  
  
    super.onCreate(savedInstanceState);  
  
    setContentView(R.layout.activity_twoactivity);  
  
  
    mMessageEditText = findViewById(R.id.editText_main);  
  
    mReplyHeadTextView = findViewById(R.id.text_header_reply);  
  
    mReplyTextView = findViewById(R.id.text_message_reply);  
  
}
```

```
public void LaunchSecondActivity(View view) {  
  
    Log.d(LOG_TAG, "Button clicked!");  
  
    Intent intent = new Intent(this, Two2Activity.class);  
  
    String message = mMessageEditText.getText().toString();  
  
    intent.putExtra(EXTRA_MESSAGE, message);  
  
    startActivityForResult(intent, TEXT_REQUEST);  
  
}
```

@Override

```
public void onActivityResult(int requestCode, int resultCode, Intent data) {  
  
    super.onActivityResult(requestCode, resultCode, data);  
  
  
  
    if (requestCode == TEXT_REQUEST) {  
  
        if (resultCode == RESULT_OK) {  
  
            String reply = data.getStringExtra(Two2Activity.EXTRA_REPLY);
```

```
        mReplyHeadTextView.setVisibility(View.VISIBLE);

        mReplyTextView.setText(reply);

        mReplyTextView.setVisibility(View.VISIBLE);
    }

}

}

}

...

```

> `Two2Activity.java`

...

```
package com.projectwafha;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
import android.widget.EditText;
```

```
import android.widget.TextView;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
public class Two2Activity extends AppCompatActivity {
```

```
    public static final String EXTRA_REPLY ="com.example.android.Two2Activity.extra.REPLY";
```

```
    public static final String EXTRA_MESSAGE ="com.example.android.Two2Activity.extra.MESSAGE";
```

```

private EditText mReply;

@Override

protected void onCreate(Bundle savedInstanceState){

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_twoact2);

    mReply = findViewById(R.id.editText_second);

    Intent intent = getIntent();

    String message = intent.getStringExtra(Two2Activity.EXTRA_MESSAGE);

    TextView textView = findViewById(R.id.text_message);

    textView.setText(message);
}

public void returnReply(View view){

    String reply = mReply.getText().toString();

    Intent replyIntent = new Intent();

    setResult(RESULT_OK, replyIntent);

    finish();

}

}

...

```

E. Code Project Set Alarm

> Pertama, buatlah button terlebih dahulu pada `activity_main.xml`, bersama dengan button aplikasi lainnya :

...

<Button

```
    android:id="@+id/btnSetAlarm"
    android:layout_width="150dp"
    android:layout_height="60dp"
    android:layout_below="@+id/btnTwoActivity"
    android:layout_alignParentStart="true"
    android:layout_alignParentEnd="true"
    android:layout_marginStart="100dp"
    android:layout_marginTop="20dp"
    android:layout_marginEnd="100dp"
    android:onClick="btnSetAlarm"
    android:background="@color/purple"
    android:text="Set Alarm"
    tools:ignore="UsingOnClickInXml"
    android:scaleType="centerCrop"/>
```

...

> Lalu tambahkan code Implicit Intent pada `MainActivity.java` :

...

```
findViewById(R.id.btnSetAlarm).setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // Panggil metode untuk mengatur alarm
```

```

        setAlarm();
    }

});
}

private void setAlarm() {
    Intent alarm = new Intent(android.provider.AlarmClock.ACTION_SET_ALARM);
    startActivity(alarm);
}
...

```

> - Selanjutnya buka `AndroidManifest.xml` dan tambahkan code untuk izin membuka Alarm :

```

...

<uses-permission android:name="com.android.alarm.permission.SET_ALARM" />

...

```

- Tambahkan code berikut pada bagian *application* agar set alarm dapat berjalan :

```

...

<activity
    android:name=".MainActivity"
    android:exported="true">
    <intent-filter>
        <action android:name="android.intent.action.SET_ALARM" />
        <category android:name="android.intent.category.DEFAULT" />
    </intent-filter>
</activity>

```

...

Penjelasan Program Tugas 2

1. Menu Utama

Pertama yang harus kita lakukan adalah mengganti tampilan menu utamanya dengan code yang baru agar ikon tombol berubah menjadi gambar, caranya adalah :

Jika awal pembuatan project kita memilih template Empty Views Activity, maka pada layout otomatis terbuat file `activity_main.xml` dan pada java akan ada `MainActivity.java`. Maka langsung saja kita buka `activity_main.xml`, dan buat code seperti berikut ini:

...

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

```
<RelativeLayout 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">
```

```
<RelativeLayout
```

```
    android:layout_width="500dp"
```



```
android:layout_height="match_parent"
android:background="@drawable/bg6">
```

```
</RelativeLayout>
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_marginLeft="16dp"
    android:layout_marginTop="100dp"
    android:layout_marginRight="16dp"
    android:orientation="vertical">
```

```
<TextView
```

```
    android:id="@+id/textView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:fontFamily="serif"
    android:text="Menu Program"
    android:textAlignment="center"
    android:textColor="@color/black"
    android:textSize="34sp"
    android:textStyle="bold" />
```

```
<LinearLayout
```

```
android:layout_width="match_parent"

android:layout_height="150dp"

android:layout_margin="5dp"

android:orientation="horizontal">
```

```
<androidx.cardview.widget.CardView

    android:id="@+id/cdMenu1"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:layout_margin="10dp"

    android:layout_weight="1"

    app:cardCornerRadius="20dp"

    app:cardElevation="7dp">
```

```
<LinearLayout

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:orientation="vertical">
```

```
<ImageView

    android:id="@+id/imageView0"

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:layout_margin="16dp"

    android:layout_weight="1"
```

```
app:srcCompat="@drawable/worldwide" />
```

```
<TextView
```

```
    android:id="@+id/textView0"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:fontFamily="serif"
```

```
    android:text="Hello World"
```

```
    android:textAlignment="center"
```

```
    android:textSize="18dp"
```

```
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<androidx.cardview.widget.CardView
```

```
    android:id="@+id/cdMenu2"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

```
    android:layout_margin="10dp"
```

```
    android:layout_weight="1"
```

```
    app:cardCornerRadius="20dp"
```

```
    app:cardElevation="7dp">
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
```

android:layout_height="match_parent"

android:orientation="vertical">

<ImageView

android:id="@+id/imageView1"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:layout_margin="16dp"

android:layout_weight="1"

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

<TextView

android:id="@+id/textView1"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:fontFamily="serif"

android:text="Fibonacci"

android:textAlignment="center"

android:textSize="18dp"

android:textStyle="bold" />

</LinearLayout>

</androidx.cardview.widget.CardView>

</LinearLayout>

<LinearLayout

android:layout_width="match_parent"

android:layout_height="150dp"

android:layout_margin="5dp"

android:orientation="horizontal">

<androidx.cardview.widget.CardView

android:id="@+id/cdMenu3"

android:layout_width="match_parent"

android:layout_height="match_parent"

android:layout_margin="10dp"

android:layout_weight="1"

app:cardCornerRadius="20dp"

app:cardElevation="7dp">

<LinearLayout

android:layout_width="match_parent"

android:layout_height="match_parent"

android:orientation="vertical">

<ImageView

android:id="@+id/imageView2"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:layout_margin="16dp"

android:layout_weight="1"

```
app:srcCompat="@drawable/clapperboard" />
```

```
<TextView
```

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

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:fontFamily="serif"
```

```
    android:text="Scroll Movie"
```

```
    android:textAlignment="center"
```

```
    android:textSize="18dp"
```

```
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<androidx.cardview.widget.CardView
```

```
    android:id="@+id/cdMenu4"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

```
    android:layout_margin="10dp"
```

```
    android:layout_weight="1"
```

```
    app:cardCornerRadius="20dp"
```

```
    app:cardElevation="7dp">
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
```

android:layout_height="match_parent"

android:orientation="vertical">

<ImageView

android:id="@+id/imageView3"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:layout_margin="16dp"

android:layout_weight="1"

app:srcCompat="@drawable/alarm__1_" />

<TextView

android:id="@+id/textView3"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:fontFamily="serif"

android:text="Alarm"

android:textAlignment="center"

android:textSize="18dp"

android:textStyle="bold" />

</LinearLayout>

</androidx.cardview.widget.CardView>

</LinearLayout>

<LinearLayout

android:layout_width="match_parent"

android:layout_height="150dp"

android:layout_margin="5dp"

android:orientation="horizontal">

<androidx.cardview.widget.CardView

android:id="@+id/cdMenu5"

android:layout_width="match_parent"

android:layout_height="match_parent"

android:layout_margin="10dp"

android:layout_weight="1"

app:cardCornerRadius="20dp"

app:cardElevation="7dp">

<LinearLayout

android:layout_width="match_parent"

android:layout_height="match_parent"

android:orientation="vertical">

<ImageView

android:id="@+id/imageView4"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:layout_margin="16dp"

android:layout_weight="1"


```
app:srcCompat="@drawable/messaging" />
```

```
<TextView
```

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

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:fontFamily="serif"
```

```
    android:text="Two Activity"
```

```
    android:textAlignment="center"
```

```
    android:textSize="18dp"
```

```
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<androidx.cardview.widget.CardView
```

```
    android:id="@+id/cdMenu6"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

```
    android:layout_margin="10dp"
```

```
    android:layout_weight="1"
```

```
    app:cardCornerRadius="20dp"
```

```
    app:cardElevation="7dp">
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
```

android:layout_height="match_parent"

android:orientation="vertical">

<ImageView

android:id="@+id/imageView5"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:layout_margin="16dp"

android:layout_weight="1"

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

<TextView

android:id="@+id/textView5"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:fontFamily="serif"

android:text="Maps"

android:textAlignment="center"

android:textSize="18dp"

android:textStyle="bold" />

</LinearLayout>

</androidx.cardview.widget.CardView>

</LinearLayout>

</LinearLayout>

```
</RelativeLayout>
```

```
...
```

> - Setelah itu kita buka `MainActivity.java` untuk menambahkan code intent untuk masing-masing tombol :

```
...
```

```
package com.finalapp;
```

```
import android.content.Intent;
```

```
import android.net.Uri;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
public class MainActivity extends AppCompatActivity {
```

```
    @Override
```

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

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_main);
```

```
        findViewById(R.id.cdMenu4).setOnClickListener(new View.OnClickListener() {
```

```
            @Override
```

```
            public void onClick(View v) {
```

```
        setAlarm();  
    }  
});
```

```
findViewById(R.id.cdMenu1).setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        // Ketika tombolSatu ditekan, pindah ke HelloActivity  
        Intent helloworld = new Intent(MainActivity.this, HelloActivity.class);  
        startActivity(helloworld);  
    }  
});
```

```
findViewById(R.id.cdMenu2).setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        // Ketika tombolDua ditekan, lakukan aksi yang diinginkan  
        // Misalnya, pindah ke aktivitas lain atau jalankan fungsi khusus  
        Intent toast = new Intent(MainActivity.this, CountActivity.class);  
        startActivity(toast);  
    }  
});
```

```
findViewById(R.id.cdMenu3).setOnClickListener(new View.OnClickListener() {  
    @Override
```

```

public void onClick(View v) {

    // Ketika tombolDua ditekan, lakukan aksi yang diinginkan

    // Misalnya, pindah ke aktivitas lain atau jalankan fungsi khusus

    Intent sianida = new Intent(MainActivity.this, SianidaActivity.class);

    startActivity(sianida);

}

});

findViewById(R.id.cdMenu5).setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // Ketika tombolDua ditekan, lakukan aksi yang diinginkan

        // Misalnya, pindah ke aktivitas lain atau jalankan fungsi khusus

        Intent twoactivity = new Intent(MainActivity.this, TwoActivity.class);

        startActivity(twoactivity);

    }

});

findViewById(R.id.cdMenu6).setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // Example location: Jakarta, Indonesia

        Uri geoLocation = Uri.parse("geo:-6.2088,106.8456");

        openMaps(geoLocation);

    }

});

```

```

    });
}

private void setAlarm() {
    Intent alarmIntent = new Intent(android.provider.AlarmClock.ACTION_SET_ALARM);
    // Add extra details for the alarm, e.g., alarm time, label, etc.
    // alarmIntent.putExtra(...)
    startActivity(alarmIntent);
}

private void openMaps(Uri geoLocation) {
    Intent maps = new Intent(Intent.ACTION_VIEW);
    maps.setData(geoLocation);
    if (maps.resolveActivity(getPackageManager()) != null) {
        startActivity(maps);
    }
}

}

...

```

> Button *HelloWorld, Count, Sianida dan TwoActivity* menggunakan Explicit Intent, dan untuk project *SetAlarm* beserta *Maps* menggunakan Implicit Intent.

> Menu halaman utama dan tombol-tombol aplikasi sudah berhasil dibuat. Maka selanjutnya yang kita lakukan adalah menambahkan coding pada `AndroidManifest.xml` agar aplikasi dapat berjalan.

****2. AndroidManifest.xml****

Didalam `AndroidManifest.xml` kita tambahkan semua java class dari semua project kita sebelumnya. Berikut nama java class dari berbagai project yang telah saya buat:

a. Project Hello World = HelloActivity.java

b. Project Count = CountActivity.java

c. Project Scroll Movie = SianidaActivity.java

d. Project TwoActivity = TwoActivity.java dan Two2Activity.java

e. Project Set Alarm = MainActivity.java

f. Project Maps = MainActivity.java (karena merupakan Implicit Intent, jadi code untuk SetAlarm dan Maps langsung dibuat disini)

...

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

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

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

```
    <uses-permission
```

```
        android:name="com.android.alarm.permission.SET_ALARM" />
```

```
    <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.Design.Light"
tools:targetApi="31">
```

```
<activity
    android:name=".MainActivity"
    android:exported="true">
    <intent-filter>
        <action android:name="android.intent.action.SET_ALARM" />
        <category android:name="android.intent.category.DEFAULT" />
        <action android:name="android.intent.action.VIEW" />
        <data android:scheme="geo" />
        <category android:name="android.intent.category.DEFAULT" />
    </intent-filter>
</activity>
```

```
<activity
    android:name=".HelloActivity"
```



```
android:exported="true" />
```

```
<activity
```

```
    android:name=".TwoActivity"
```

```
    android:exported="true" />
```

```
<activity
```

```
    android:name=".Two2Activity"
```

```
    android:exported="true" />
```

```
<activity
```

```
    android:name=".CountActivity"
```

```
    android:exported="true" />
```

```
<activity
```

```
    android:name=".SianidaActivity"
```

```
    android:exported="true" />
```

```
<activity
```

```
    android:name=".SplashScreen"
```

```
    android:exported="true"
```

```
    android:theme="@style/SplashScreen">
```

```
    <intent-filter>
```

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

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

```
        </intent-filter>

    </activity>

</application>

</manifest>

...

```

****3. Code All Projects (XML files / res)****

> Pada menu values :

- `Strings.xml`
...

```
<resources>
```

```
    <string name="app_name">FinalApp</string>
```

```
    <string name="Hello_World">Hello World!!</string>
```

```
    <string name="button_main">Send</string>
```

```
    <string name="editText_main">Enter Your Message Here</string>
```

```
    <string name="text_header">Message Received</string>
```

```
    <string name="buttton_second">Reply</string>
```

```
    <string name="editText_second">Enter Your Reply Here</string>
```

```
    <string name="text_header_reply">Reply Received</string>
```

```
    <string name="button_label_toast">Toast</string>
```

```
    <string name="button_label_count">Count</string>
```

<string name="count_initial_value">1</string>

<string name="toast_message">Hello Toast!</string>

<string name="button_label_restart">Restart</string>

<string name="enter_fibonacci_limit">Masukkan Angka Limit</string>

<string name="article_title"> Kasus Sianida</string>

<string name="article_subtitle">ICE COLD!</string>

<string name="article_text"> Film dokumenter Ice Cold: Murder, Coffee and Jessica Wongso memaparkan pertanyaan tak terjawab tentang persidangan yang dilalui Jessica Wongso. Dengan menyajikan perspektif baru, film ini hadir bertahun-tahun setelah kematian sahabat Jessica, Wayan Mirna Salihin.

Film ini menggambarkan bagaimana Jessica yang mengajak teman-temannya, termasuk Mirna, untuk bertemu setelah sekian lama tak berjumpa. Pertemuan di salah satu kafe di mal ibu kota tersebut pun berlangsung lancar, sebelum akhirnya Mirna pingsan sesaat setelah meminum kopi yang sebelumnya dipesan Jessica. Dokumenter ini turut menyajikan rekaman CCTV pada waktu kejadian, berbagai footage berita saat persidangan berlangsung, hingga wawancara eksklusif dengan beberapa sumber, termasuk Jessica Wongso.

Persidangan atas dugaan pembunuhan Mirna Salihin digelar lima bulan setelah kematiannya. Sidang tersebut melalui 32 kali persidangan dengan menghadirkan puluhan saksi di pengadilan. Hasilnya, Jessica Wongso divonis bersalah atas kematian Mirna dan dijatuhi hukuman 20 tahun penjara.

Kasus yang berjalan cukup lama tersebut menyita banyak perhatian dari masyarakat Indonesia. Musababnya, banyak misteri tak terjawab selama rangkaian persidangan yang panjang tersebut. Salah satunya adalah mengenai akses untuk mendapatkan bubuk sianida yang tidak bisa didapatkan oleh orang sembarangan. Selain itu, motif Jessica di balik pembunuhan tersebut pun belum menemukan jawabannya.

Film dokumenter buatan Netflix ini menyoroti rangkaian persidangan yang saat itu menjadi sidang pertama yang disiarkan secara langsung di berbagai stasiun televisi Indonesia. Selain itu, kasus ini juga diliput secara intens oleh media massa, baik nasional maupun internasional. Tak hanya itu, pihak rumah produksi Beach House Pictures juga berhasil mendapatkan akses untuk mewawancarai Jessica Wongso secara langsung dari balik tahanan. Dalam video trailer yang diluncurkannya, ditampilkan juga sejumlah wawancara eksklusif yang dilakukan dengan beberapa narasumber. Mulai dari ayah dan saudara kembar Mirna Salihin, pengacara Jessica Wongso, jurnalis yang mendalami kasus tersebut, hingga bagaimana saat itu kasus ini begitu ramai diberitakan oleh media massa Indonesia dan internasional.</string>

</resources>

...

- `Colors.xml`

...

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

<resources>

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

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

<color name="blue">#3700B3</color>

<color name="pink">#FFC0CB</color>

<color name="colorPrimary">#3F5185</color>

<color name="colorPrimaryDark">#303F9F</color>

<color name="colorAccent">#FF4081</color>

<color name="birumuda">#ABCBFA</color>

<color name="salem">#F8C6E6</color>

<color name="purple">#E3A2ED</color>

<color name="hijau">#92A676</color>

```
<color name="biru">#8FC2EA</color>

<color name="hijaumuda">#C2E69C</color>

<color name="kuning">#FFEB3B</color>

<color name="orange">#FF9800</color>

<color name="cream">#E6C18A</color>

</resources>

...

```

- `Dimens.xml`

```
...

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

<resources>

    <dimen name="padding_regular">10dp</dimen>

    <dimen name="line_spacing">5sp</dimen>

</resources>

...

```

> Pada menu themes :

- `themes.xml`

```
...

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

    <!-- Base application theme. -->

    <style name="SplashScreen" parent="Theme.MaterialComponents.DayNight.NoActionBar">

        <item name="android:windowBackground">@drawable/splashscreen</item>

        <item name="android:statusBarColor">?attr/colorOnPrimary</item>
    </style>
</resources>

```

```
</style>
</resources>
...
```

> Pada menu drawable :

```
- `backgroundlauncher.xml`
...
```

```
<?xml version="1.0" encoding="utf-8"?>
<layer-list xmlns:android="http://schemas.android.com/apk/res/android">
    <item android:drawable="@color/birumuda"/>
    <item>
        <bitmap
            android:src="@drawable/logo"
            android:gravity="center" />
    </item>
</layer-list>
...
```

***A. Code Project Splash Screen**

```
> `SplashScreen.java`
...
```

```
package com.cipaapps;
```

```
import android.content.Intent;
```

```

import android.os.Bundle;

import android.os.Handler;


import androidx.appcompat.app.AppCompatActivity;


public class SplashScreen extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);


        new Handler().postDelayed(new Runnable() {

            @Override

            public void run() {

                startActivity(new Intent(SplashScreen.this, MainActivity.class));

                finish();

            }

        }, 2500);

    }

}

```

****B. Code Project Hello World****

> `activity_hello.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=".HelloActivity">
```

```
<ImageView
```

```
android:id="@+id/background"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="match_parent"
```

```
android:background="@drawable/bg4"
```

```
android:adjustViewBounds="true"
```

```
android:scaleType="centerCrop"/>
```

```
<TextView
```

```
android:id="@+id/txthello"
```

```
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
```

```
android:gravity="center"
```

```
android:text="Hello World!!"
```

```
android:textColor="@color/hijaumuda"
```

```
android:textSize="20pt"
```

```
android:textStyle="bold"
```

```
app:layout_constraintBottom_toBottomOf="parent"
```



```
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.503"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.413"
tools:ignore="TextSizeCheck" />
```

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

```
...
```

```
> `HelloActivity.java`
```

```
...
```

```
package com.cipaapps;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.os.Bundle;
```

```
public class HelloActivity extends AppCompatActivity{

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_hello);

    }

}
```

...

****C. Code Project Count****

> `activity_count.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:ignore="ExtraText"
```

```
    tools:context=".CountActivity">
```

```
<ImageView
```

```
    android:id="@+id/background"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

```
    android:background="@drawable/bg5"
```

```
    android:adjustViewBounds="true"
```

```
    android:scaleType="centerCrop" />
```

```
<Button
```

```
android:id="@+id/button_limit"
android:layout_width="354dp"
android:layout_height="76dp"
android:layout_marginStart="8dp"
android:layout_marginTop="16dp"
android:layout_marginEnd="8dp"
android:background="@color/hijau"
android:onClick="setLimit"
android:text="Masukkan Angka Limit"
android:textColor="@android:color/white"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.507"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
tools:ignore="UsingOnClickInXml,VisualLintButtonSize" />
```

<Button

```
android:id="@+id/button_count"
android:layout_width="173dp"
android:layout_height="70dp"
android:layout_marginStart="8dp"
android:layout_marginEnd="8dp"
android:layout_marginBottom="24dp"
android:background="@color/hijau"
android:onClick="countUp"
```

```
android:text="Count"

android:textColor="@android:color/white"

app:layout_constraintBottom_toBottomOf="parent"

app:layout_constraintEnd_toEndOf="parent"

app:layout_constraintHorizontal_bias="0.039"

app:layout_constraintStart_toStartOf="parent"

tools:ignore="UsingOnClickInXml,VisualLintButtonSize" />
```

<Button

```
android:id="@+id/button_restart"

android:layout_width="173dp"

android:layout_height="72dp"

android:layout_marginStart="8dp"

android:layout_marginEnd="8dp"

android:layout_marginBottom="24dp"

android:background="@color/hijau"

android:onClick="back1"

android:text="Restart"

android:textColor="@android:color/white"

app:layout_constraintBottom_toBottomOf="parent"

app:layout_constraintEnd_toEndOf="parent"

app:layout_constraintHorizontal_bias="0.965"

app:layout_constraintStart_toStartOf="parent"

tools:ignore="UsingOnClickInXml" />
```

```
<TextView
```

```
    android:id="@+id/show_count"
```

```
    android:layout_width="305dp"
```

```
    android:layout_height="442dp"
```

```
    android:layout_marginTop="8dp"
```

```
    android:layout_marginEnd="8dp"
```

```
    android:layout_marginBottom="8dp"
```

```
    android:gravity="center_vertical"
```

```
    android:text="1"
```

```
    android:textAlignment="center"
```

```
    android:textColor="@color/black"
```

```
    android:textSize="160sp"
```

```
    android:textStyle="bold"
```

```
    app:layout_constraintBottom_toTopOf="@id/button_count"
```

```
    app:layout_constraintEnd_toEndOf="parent"
```

```
    app:layout_constraintHorizontal_bias="0.505"
```

```
    app:layout_constraintStart_toStartOf="parent"
```

```
    app:layout_constraintTop_toBottomOf="@id/button_limit"
```

```
    app:layout_constraintVertical_bias="0.51"
```

```
    tools:ignore="RtlCompat" />
```

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

```
...
```

```
> `CountActivity.java`
```

```
...
```

```
package com.finalapp;
```

```
import android.annotation.SuppressLint;
```

```
import android.app.AlertDialog;
```

```
import android.content.DialogInterface;
```

```
import android.graphics.Color;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
import android.widget.EditText;
```

```
import android.widget.TextView;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
public class CountActivity extends AppCompatActivity {
```

```
    private TextView show_count;
```

```
    private int count = 1;
```

```
    private long fibNMinus1 = 1;
```

```
    private long fibNMinus2 = 1;
```

```
    private int limit = -1; // Inisialisasi limit dengan nilai default
```

```
    @SuppressWarnings("MissingInflatedId")
```

```
    @Override
```

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

```
super.onCreate(savedInstanceState);

setContentView(R.layout.activity_count);

show_count = findViewById(R.id.show_count);
}

public void countUp(View view) {

    if (count == 0) {

        show_count.setText("0");

    }

    else if (count == 1) {

        show_count.setText("1");

    }

    else {

        if (limit != -1 && count > limit) {

            // Jika count melebihi limit, atur ulang perhitungan

            count = 0;

            fibNMinus1 = 1;

            fibNMinus2 = 0;

            show_count.setText(getString(R.string.count_initial_value));

        }

        else {

            long fibCurrent = fibNMinus1 + fibNMinus2;

            fibNMinus2 = fibNMinus1;

            fibNMinus1 = fibCurrent;

        }

    }

}
```

```
//Mengatur warna teks berdasarkan angka Fibonacci  
  
int colorResId = R.color.colorAccent; // Warna Default  
  
switch (count % 11) {  
  
    case 1:  
  
        colorResId = R.color.colorAccent; // Warna Pink Tua  
  
        break;  
  
    case 2:  
  
        colorResId = R.color.hijaumuda; // Warna Hijau Muda  
  
        break;  
  
    case 3:  
  
        colorResId = R.color.purple; // Warna Ungu  
  
        break;  
  
    case 4:  
  
        colorResId = R.color.salem; // Warna Salem  
  
        break;  
  
    case 5:  
  
        colorResId = R.color.birumuda; // Warna Biru Muda  
  
        break;  
  
    case 6 :  
  
        colorResId = R.color.kuning; // Warna Kuning  
  
        break;  
  
    case 7:  
  
        colorResId = R.color.hijau; // Warna Hijau  
  
        break;
```



```

        case 8:

            colorResId = R.color.cream; // Warna Cream

            break;

        case 9:

            colorResId = R.color.pink; // Warna Pink

            break;

        case 10:

            colorResId = R.color.biru; // Warna Biru

            break;

        case 11:

            colorResId = R.color.orange; // Warna Orange

            break;

    }

    show_count.setTextColor(getResources().getColor(colorResId));

    show_count.setText(String.valueOf(fibCurrent));

}

}

count++;

}

public void back1(View view) {

    count = 1;

    fibNMinus1 = 1;

    fibNMinus2 = 0;

```

```
show_count.setText(getString(R.string.count_initial_value));  
}
```

```
public void setLimit(View view) {
```

```
    // Create and display a dialog to set the limit
```

```
    AlertDialog.Builder builder = new AlertDialog.Builder(this);
```

```
    builder.setTitle("Set Limit");
```

```
    final EditText input = new EditText(this);
```

```
    input.setInputType(android.text.InputType.TYPE_CLASS_NUMBER);
```

```
    builder.setView(input);
```

```
    builder.setPositiveButton("OK", new DialogInterface.OnClickListener() {
```

```
        @Override
```

```
        public void onClick(DialogInterface dialog, int which) {
```

```
            // Get the limit from the input and set it for calculations
```

```
            String limitStr = input.getText().toString();
```

```
            limit = Integer.parseInt(limitStr);
```

```
        }
```

```
    });
```

```
    builder.setNegativeButton("Cancel", new DialogInterface.OnClickListener() {
```

```
        @Override
```

```
        public void onClick(DialogInterface dialog, int which) {
```

```
            dialog.cancel();
```

```
    }  
    });
```

```
        builder.show();  
    }  
}  
...
```

****D. Code Project Scroll Movie****

```
> `activity_scrollmovie.xml`  
...
```

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

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

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

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

```
    tools:context=".SianidaActivity">
```

```
    <TextView
```

```
        android:id="@+id/article_heading"
```

```
        android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"
```

```
        android:background="@color/biru"
```

```
        android:padding="@dimen/padding_regular"
```

```
        android:text="@string/article_title"
```

```
android:textAppearance="@android:style/TextAppearance.DeviceDefault.Large"
android:textColor="@android:color/white"
android:textStyle="bold" />
```

<ScrollView

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@id/article_heading">
```

<LinearLayout

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:orientation="vertical">
```

<TextView

```
android:id="@+id/article_subheading"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:padding="@dimen/padding_regular"
android:text="@string/article_subtitle"
android:textAlignment="center"
android:textAppearance="@android:style/TextAppearance.DeviceDefault"
android:textColor="@color/colorPrimary" />
```

<TextView

```

        android:id="@+id/article"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:autoLink="web"

        android:lineSpacingExtra="@dimen/line_spacing"

        android:padding="@dimen/padding_regular"

        android:text="@string/article_text"

        tools:ignore="VisuallLintLongText" />

    </LinearLayout>

</ScrollView>

</RelativeLayout>

...

```

```
> `SianidaActivity.java`
```

```
...
```

```
package com.finalapp;
```

```
import android.os.Bundle;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
public class SianidaActivity extends AppCompatActivity {
```

```
    @Override
```

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

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_scrollmovie);
    }
}
...

```

E. Code Project Two Activity

> `activity_twoactivity.xml`

...

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    tools:context=".TwoActivity">

    <ImageView
        android:id="@+id/background"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:adjustViewBounds="true"
        android:scaleType="centerCrop"
        android:src="@drawable/bg1" />

```

```
<TextView

    android:id="@+id/text_header_reply"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_marginStart="8dp"

    android:layout_marginLeft="8dp"

    android:layout_marginTop="16dp"

    android:text="@string/text_header_reply"

    android:textAppearance="@style/TextAppearance.AppCompat.Medium"

    android:textStyle="bold"

    android:visibility="invisible"

    app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toTopOf="parent"/>
```

```
<TextView

    android:id="@+id/text_message_reply"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_marginStart="8dp"

    android:layout_marginLeft="8dp"

    android:layout_marginTop="8dp"

    android:visibility="invisible"

    app:layout_constraintStart_toStartOf="parent"

    app:layout_constraintTop_toBottomOf="@+id/text_header_reply" />
```

<Button

```
    android:id="@+id/button_main"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="16dp"
    android:layout_marginRight="16dp"
    android:text="@string/button_main"
    android:background="@color/pink"
    android:onClick="LaunchSecondActivity"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    tools:ignore="UsingOnClickInXml"/>
```

<EditText

```
    android:id="@+id/editText_main"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginBottom="16dp"
    android:ems="10"
    android:hint="@string/editText_main"
    android:inputType="textLongMessage"
    android:minHeight="48dp"
    app:layout_constraintBottom_toBottomOf="parent"
```



```
        app:layout_constraintEnd_toStartOf="@+id/button_main"
        app:layout_constraintStart_toStartOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
...

```

```
> `activity_two2activity.xml`
...

```

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    tools:context=".Two2Activity">

```

```
<ImageView
    android:id="@+id/background"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:adjustViewBounds="true"
    android:scaleType="centerCrop"
    android:src="@drawable/bg1" />

```

```
<TextView

```

```
android:id="@+id/text_header"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginStart="8dp"

android:layout_marginLeft="8dp"

android:layout_marginTop="16dp"

android:text="@string/text_header"

android:textAppearance="@style/TextAppearance.AppCompat.Medium"

android:textStyle="bold"

app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toTopOf="parent" />
```

<TextView

```
android:id="@+id/text_message"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginStart="8dp"

android:layout_marginLeft="8dp"

android:layout_marginTop="8dp"

app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@+id/text_header" />
```

<Button

```
android:id="@+id/button_second"

android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"

android:layout_marginBottom="16dp"

android:layout_marginRight="16dp"

android:text="@string/buttton_second"

android:onClick="returnReply"

android:background="@color/pink"

app:layout_constraintBottom_toBottomOf="parent"

app:layout_constraintRight_toRightOf="parent"

tools:ignore="UsingOnClickInXml" />
```

```
<EditText
```

```
    android:id="@+id/editText_second"

    android:layout_width="0dp"

    android:layout_height="wrap_content"

    android:layout_marginStart="8dp"

    android:layout_marginEnd="8dp"

    android:layout_marginBottom="16dp"

    android:ems="10"

    android:hint="@string/editText_second"

    android:inputType="textLongMessage"

    android:minHeight="48dp"

    app:layout_constraintBottom_toBottomOf="parent"

    app:layout_constraintEnd_toStartOf="@+id/button_second"

    app:layout_constraintStart_toStartOf="parent" />
```

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

```
'''
```

```
> `TwoActivity.java`
```

```
'''
```

```
package com.finalapp;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.util.Log;
```

```
import android.view.View;
```

```
import android.widget.EditText;
```

```
import android.widget.TextView;
```

```
public class TwoActivity extends AppCompatActivity {
```

```
    private static final String LOG_TAG = TwoActivity.class.getSimpleName();
```

```
    public static final String EXTRA_MESSAGE = "com.example.android.Two2Activity.extra.MESSAGE";
```

```
    public static final int TEXT_REQUEST = 1;
```

```
    private EditText mMessageEditText;
```

```
private TextView mReplyHeadTextView;
```

```
private TextView mReplyTextView;
```

```
@Override
```

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

```
    super.onCreate(savedInstanceState);
```

```
    setContentView(R.layout.activity_twoactivity);
```

```
    mMessageEditText = findViewById(R.id.editText_main);
```

```
    mReplyHeadTextView = findViewById(R.id.text_header_reply);
```

```
    mReplyTextView = findViewById(R.id.text_message_reply);
```

```
}
```

```
public void LaunchSecondActivity(View view) {
```

```
    Log.d(LOG_TAG, "Button clicked!");
```

```
    Intent intent = new Intent(this, Two2Activity.class);
```

```
    String message = mMessageEditText.getText().toString();
```

```
    intent.putExtra(EXTRA_MESSAGE, message);
```

```
    startActivityForResult(intent, TEXT_REQUEST);
```

```
}
```

```
@Override
```

```
public void onActivityResult(int requestCode, int resultCode, Intent data) {
```

```
    super.onActivityResult(requestCode, resultCode, data);
```

```

        if (requestCode == TEXT_REQUEST) {
            if (resultCode == RESULT_OK) {
                String reply = data.getStringExtra(Two2Activity.EXTRA_REPLY);

                mReplyHeadTextView.setVisibility(View.VISIBLE);
                mReplyTextView.setText(reply);
                mReplyTextView.setVisibility(View.VISIBLE);
            }
        }
    }
}
...

```

```

> `Two2Activity.java`
...

```

```

package com.finalapp;

```

```

import android.content.Intent;

```

```

import android.os.Bundle;

```

```

import android.view.View;

```

```

import android.widget.EditText;

```

```

import android.widget.TextView;

```

```

import androidx.appcompat.app.AppCompatActivity;

```

```
public class Two2Activity extends AppCompatActivity {

    public static final String EXTRA_REPLY ="com.example.android.Two2Activity.extra.REPLY";

    public static final String EXTRA_MESSAGE ="com.example.android.Two2Activity.extra.MESSAGE";

    private EditText mReply;

    @Override

    protected void onCreate(Bundle savedInstanceState){

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_two2activity);

        mReply = findViewById(R.id.editText_second);

        Intent intent = getIntent();

        String message = intent.getStringExtra(Two2Activity.EXTRA_MESSAGE);

        TextView textView = findViewById(R.id.text_message);

        textView.setText(message);
    }

    public void returnReply(View view){

        String reply = mReply.getText().toString();

        Intent replyIntent = new Intent();

        setResult(RESULT_OK, replyIntent);

        finish();
    }
}
```

```
}  
}  
...
```

****Code Project SetAlarm dan Maps****

> Pertama, buatlah ikon tombol terlebih dahulu pada `activity_main.xml`, bersama dengan ikon tombol aplikasi lainnya :

- `Set Alarm`

...

<androidx.cardview.widget.CardView

```
    android:id="@+id/cdMenu4"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:layout_margin="10dp"  
    android:layout_weight="1"  
    app:cardCornerRadius="20dp"  
    app:cardElevation="7dp">
```

<LinearLayout

```
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:orientation="vertical">
```

<ImageView

```
    android:id="@+id/imageView3"
```



```
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="16dp"
    android:layout_weight="1"
    app:srcCompat="@drawable/alarm__1_" />
```

```
<TextView
    android:id="@+id/textView3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:fontFamily="serif"
    android:text="Alarm"
    android:textAlignment="center"
    android:textSize="18dp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
</LinearLayout>
```

```
...
```

```
- `Maps`
```

```
...
```

```
<androidx.cardview.widget.CardView
```

```
    android:id="@+id/cdMenu6"
```

```
    android:layout_width="match_parent"
```

```
android:layout_height="match_parent"

android:layout_margin="10dp"

android:layout_weight="1"

app:cardCornerRadius="20dp"

app:cardElevation="7dp">
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:orientation="vertical">
```

```
<ImageView
```

```
    android:id="@+id/imageView5"

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:layout_margin="16dp"

    android:layout_weight="1"

    app:srcCompat="@drawable/gps" />
```

```
<TextView
```

```
    android:id="@+id/textView5"

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:fontFamily="serif"

    android:text="Maps"
```

```

        android:textAlignment="center"

        android:textSize="18dp"

        android:textStyle="bold" />
    </LinearLayout>
...

```

> Lalu tambahkan code Implicit Intent pada `MainActivity.java` :

- `SetAlarm`

```

...

findViewById(R.id.cdMenu4).setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        setAlarm();

    }

});

private void setAlarm() {

    Intent alarmIntent = new Intent(android.provider.AlarmClock.ACTION_SET_ALARM);

    // Add extra details for the alarm, e.g., alarm time, label, etc.

    // alarmIntent.putExtra(...)

    startActivity(alarmIntent);

}

...

```

- `Maps`

...

```
findViewById(R.id.cdMenu6).setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        // Example location: Jakarta, Indonesia  
        Uri geoLocation = Uri.parse("geo:-6.2088,106.8456");  
        openMaps(geoLocation);  
    }  
});
```

```
private void openMaps(Uri geoLocation) {  
    Intent maps = new Intent(Intent.ACTION_VIEW);  
    maps.setData(geoLocation);  
    if (maps.resolveActivity(getPackageManager()) != null) {  
        startActivity(maps);  
    }  
}
```

...

> Selanjutnya buka `AndroidManifest.xml` dan tambahkan code untuk izin membuka Alarm :

...

```
<uses-permission android:name="com.android.alarm.permission.SET_ALARM" />
```

...

> Tambahkan code berikut pada bagian `*application*` agar set alarm dapat berjalan :

...

```

<activity
    android:name=".MainActivity"
    android:exported="true">
    <intent-filter>
        <action android:name="android.intent.action.SET_ALARM" />
        <category android:name="android.intent.category.DEFAULT" />
        <action android:name="android.intent.action.VIEW" />
        <data android:scheme="geo" />
        <category android:name="android.intent.category.DEFAULT" />
    </intent-filter>
</activity>
...

```

Penjelasan & Hasil Program Tugas 3

> Pada tugas 3 saya melakukan perubahan pada nama aplikasi, lalu gambar icon aplikasi dan juga pada splashscreen, untuk cara dan isi code nya sama seperti pada tugas 2 hanya menyesuaikan saja dengan yang baru.

****Fill in All The Code in This Project :****

> 1. *****Gradle Script***** => `build.gradle.kts (Module :app)`

...

```
plugins {
```

```
    id("com.android.application")
```

```
}
```

```
android {
```

```
    namespace = "com.finalapp"
```

```
    compileSdk = 34
```

```
    defaultConfig {
```

```
        applicationId = "com.finalapp"
```

```
        minSdk = 21
```

```
        targetSdk = 33
```

```
        versionCode = 1
```

```
        versionName = "1.0"
```

```
        testInstrumentationRunner = "androidx.test.runner.AndroidJUnitRunner"
```

```
    }
```

```
    buildTypes {
```

```
        release {
```

```
            isMinifyEnabled = false
```

```
            proguardFiles(getDefaultProguardFile("proguard-android-optimize.txt"), "proguard-rules.pro")
```

```
        }
```

```
    }
```

```
    compileOptions {
```

```
        sourceCompatibility = JavaVersion.VERSION_1_8
```

```
        targetCompatibility = JavaVersion.VERSION_1_8
```

```

    }

    buildToolsVersion = "34.0.0"
}

dependencies {

    val fragment_version = "1.6.1"

    implementation("androidx.appcompat:appcompat:1.6.1")

    implementation("com.google.android.material:material:1.10.0")

    implementation("androidx.constraintlayout:constraintlayout:2.1.4")

    testImplementation("junit:junit:4.13.2")

    androidTestImplementation("androidx.test.ext:junit:1.1.5")

    androidTestImplementation("androidx.test.espresso:espresso-core:3.5.1")

    implementation("androidx.fragment:fragment:$fragment_version")
}

...

```

- Setelah itu klik `Sync now`

> 2. ***AndroidManifest.xml***

- Lengkapi code ini pada `AndroidManifest.xml` yang sudah berisikan dengan code-code di project sebelumnya.

```

...

<activity android:name=".VideoPlayerActivity" />

...

```

> 3. ***Java***

=> Pada `MainActivity.java` saya melakukan penambahan code, yaitu isi code keseluruhannya adalah :

- `MainAcitivity.java`

...

```
package com.finalapp;
```

```
import android.annotation.SuppressLint;
```

```
import android.content.Intent;
```

```
import android.net.Uri;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
public class MainActivity extends AppCompatActivity {
```

```
    @SuppressWarnings("MissingInflatedId")
```

```
    @Override
```

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

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_main);
```

```
        findViewById(R.id.cdMenu5).setOnClickListener(new View.OnClickListener() {
```

```
            @Override
```

```
            public void onClick(View v) {
```



```
        setAlarm();  
    }  
});
```

```
findViewById(R.id.cdMenu1).setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        // Ketika tombolSatu ditekan, pindah ke HelloActivity  
        Intent helloworld = new Intent(MainActivity.this, HelloActivity.class);  
        startActivity(helloworld);  
    }  
});
```

```
findViewById(R.id.cdMenu2).setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        // Ketika tombolDua ditekan, lakukan aksi yang diinginkan  
        // Misalnya, pindah ke aktivitas lain atau jalankan fungsi khusus  
        Intent toast = new Intent(MainActivity.this, CountActivity.class);  
        startActivity(toast);  
    }  
});
```

```
findViewById(R.id.cdMenu3).setOnClickListener(new View.OnClickListener() {  
    @Override
```

```

public void onClick(View v) {

    // Ketika tombolDua ditekan, lakukan aksi yang diinginkan

    // Misalnya, pindah ke aktivitas lain atau jalankan fungsi khusus

    Intent sianida = new Intent(MainActivity.this, SianidaActivity.class);

    startActivity(sianida);

}

});

findViewById(R.id.cdMenu4).setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // Ketika tombolDua ditekan, lakukan aksi yang diinginkan

        // Misalnya, pindah ke aktivitas lain atau jalankan fungsi khusus

        Intent twoactivity = new Intent(MainActivity.this, TwoActivity.class);

        startActivity(twoactivity);

    }

});

findViewById(R.id.cdMenu7).setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // Ketika tombolDua ditekan, lakukan aksi yang diinginkan

        // Misalnya, pindah ke aktivitas lain atau jalankan fungsi khusus

        Intent fragmentactivity = new Intent(MainActivity.this, FragmentActivity.class);

        startActivity(fragmentactivity);

```

```

    }

});

findViewById(R.id.cdMenu6).setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // Example location: Jakarta, Indonesia

        Uri geoLocation = Uri.parse("geo:-6.2088,106.8456");

        openMaps(geoLocation);

    }

});

}

private void setAlarm() {

    Intent alarmIntent = new Intent(android.provider.AlarmClock.ACTION_SET_ALARM);

    // Add extra details for the alarm, e.g., alarm time, label, etc.

    // alarmIntent.putExtra(...)

    startActivity(alarmIntent);

}

private void openMaps(Uri geoLocation) {

    Intent maps = new Intent(Intent.ACTION_VIEW);

    maps.setData(geoLocation);

    if (maps.resolveActivity(getPackageManager()) != null) {

        startActivity(maps);

    }

}

```

```
}
```

```
}
```

```
...
```

> Note : Isi code pada keseluruhan tugas 3 ini tetap sama seperti pada isi code tugas 2 yaitu seperti *Java class* dan untuk *res/layout* hanya sedikit merubah design, pada tugas 3 ini saya hanya mencantumkan dan menjelaskan code-code yang ditambahkan untuk `Fragment` saja.

- Untuk package name bisa di sesuaikan dengan package name project kita masing-masing, disini saya melanjutkan dari package name project sebelumnya.

=> `FragmentActivity.java`

```
...
```

```
package com.finalapp;
```

```
import androidx.annotation.NonNull;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import androidx.fragment.app.Fragment;
```

```
import androidx.fragment.app.FragmentManager;
```

```
import androidx.fragment.app.FragmentStatePagerAdapter;
```

```
import androidx.viewpager2.widget.ViewPager2;
```

```
import android.annotation.SuppressLint;
```

```
import android.content.Context;
```

```
import android.graphics.drawable.ColorDrawable;
```

```
import android.os.Bundle;
```

```
import com.google.android.material.tabs.TabLayout;
```

```
import java.util.Objects;
```

```
public class FragmentActivity extends AppCompatActivity {
```

```
    TabLayout tabLayout;
```

```
    ViewPager2 viewPager2;
```

```
    ViewAdapter adapter;
```

```
    @SuppressWarnings({"NewApi", "MissingInflatedId"})
```

```
    @Override
```

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

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_movie);
```

```
        Objects.requireNonNull(getSupportActionBar()).setBackgroundDrawable(new  
        ColorDrawable(getColor(R.color.cream)));
```

```
        tabLayout = findViewById(R.id.tab);
```

```
        viewPager2 = findViewById(R.id.view);
```

```
        adapter = new ViewAdapter(this);
```

```
        viewPager2.setAdapter(adapter);
```

```
        tabLayout.addTabSelectedListener(new TabLayout.OnTabSelectedListener() {
```

```

@Override

public void onTabSelected(TabLayout.Tab tab) {

    viewPager2.setCurrentItem(tab.getPosition());

}


@Override

public void onTabUnselected(TabLayout.Tab tab) {


}


@Override

public void onTabReselected(TabLayout.Tab tab) {


}

});

class Halaman extends FragmentStatePagerAdapter {

    Context context;

    int jumlah_tab;

    Halaman(Context context, FragmentManager fm, int jml_tab)

    {

        super(fm);

        this.context=context;

        this.jumlah_tab=jml_tab;

```

```
}
```

```
@NonNull
```

```
@Override
```

```
public Fragment getItem(int position){  
    switch (position){  
        case 0:return new ActionFragment();  
        case 1:return new ComedyFragment();  
        case 2:return new RomanceFragment();  
    }  
    return null;  
}
```

```
@Override
```

```
public int getCount(){  
    return jumlah_tab;  
}  
}
```

```
viewPager2.registerOnPageChangeCallback(new ViewPager2.OnPageChangeCallback() {
```

```
@Override
```

```
public void onPageSelected(int position) {  
    super.onPageSelected(position);  
    tabLayout.getTabAt(position).select();  
}
```

```
});  
  
}  
  
}  
  
...
```

=> Membuat file fragment dengan cara klik kanan pada `MainActivity.java` lalu pilih dan klik fragment, setelah itu kita pilih dan klik fragment (Blank), setelah itu kita beri nama `ActionFragment`, `ComedyFragment`, `HororFragment`. Untuk file fragment sudah sekaligus dengan file layout xml nya (code berada pada bagian res `layout`)

- `ActionFragment.java` :

```
...  
  
package com.finalapp;  
  
  
import android.content.Intent;  
  
import android.os.Bundle;  
  
import android.util.Log;  
  
import android.view.LayoutInflater;  
  
import android.view.Menu;  
  
import android.view.MenuInflater;  
  
import android.view.MenuItem;  
  
import android.view.View;  
  
import android.view.ViewGroup;  
  
import android.widget.Button;  
  
import android.widget.Toast;  
  
  
import androidx.fragment.app.Fragment;
```



```
public class ActionFragment extends Fragment {

    private static final String TAG = "ActionFragment";

    @Override

    public View onCreateView(LayoutInflater inflater, ViewGroup container,

        Bundle savedInstanceState) {

        // Inflate the layout for this fragment

        setHasOptionsMenu(true);

        View view = inflater.inflate(R.layout.fragment_action, container, false);

        // Find the button by its ID

        Button bigmouthButton = view.findViewById(R.id.bigmouth);

        Button vagabondButton = view.findViewById(R.id.vagabond);

        Button mynameButton = view.findViewById(R.id.myname);

        // Set click listener for each button

        bigmouthButton.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                Log.d(TAG, "BigMouth button clicked");

                playVideo(R.raw.bigmouth);

            }

        });

    }

}
```

```
});
```

```
vagabondeButton.setOnClickListener(new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View v) {
```

```
        Log.d(TAG, "Vagabond button clicked");
```

```
        playVideo(R.raw.vagabond);
```

```
    }
```

```
});
```

```
mynameButton.setOnClickListener(new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View v) {
```

```
        Log.d(TAG, "MyName button clicked");
```

```
        playVideo(R.raw.myname);
```

```
    }
```

```
});
```

```
return view;
```

```
}
```

```
@Override
```

```
public void onCreateOptionsMenu(Menu menu, MenuInflater inflater) {
```

```
    inflater.inflate(R.menu.menu_tab, menu);
```

```
}
```

```
@Override
```

```
public boolean onOptionsItemSelected(MenuItem item) {
```

```
    if (item.getItemId() == R.id.tab_action) {
```

```
        Toast.makeText(getActivity(), "Clicked on " + item.getTitle(), Toast.LENGTH_SHORT)
```

```
            .show();
```

```
    }
```

```
    return true;
```

```
}
```

```
private void playVideo(int videoResource) {
```

```
    String videoPath = "android.resource://" + getActivity().getPackageName() + "/" + videoResource;
```

```
    Intent intent = new Intent(getActivity(), VideoPlayerActivity.class);
```

```
    intent.putExtra("VIDEO_PATH", videoPath);
```

```
    startActivity(intent);
```

```
}
```

```
}
```

```
...
```

```
- `ComedyFragment.java` :
```

```
...
```

```
package com.finalapp;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.util.Log;
```

```
import android.view.LayoutInflater;

import android.view.Menu;

import android.view.MenuInflater;

import android.view.MenuItem;

import android.view.View;

import android.view.ViewGroup;

import android.widget.Button;

import android.widget.Toast;


import androidx.fragment.app.Fragment;


public class ComedyFragment extends Fragment {


    private static final String TAG = "ComedyFragment";


    @Override

    public View onCreateView(LayoutInflater inflater, ViewGroup container,

                             Bundle savedInstanceState) {

        // Inflate the layout for this fragment

        setHasOptionsMenu(true);

        View view = inflater.inflate(R.layout.fragment_comedy, container, false);


        // Find the button by its ID

        Button exitButton = view.findViewById(R.id.exit);
```

```
Button dobongsoonButton = view.findViewById(R.id.dobongsoon);  
Button goodmanagertButton = view.findViewById(R.id.goodmanger);
```

```
// Set click listener for each button
```

```
exitButton.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        Log.d(TAG, "Exit button clicked");  
        playVideo(R.raw.exit);  
    }  
});
```

```
dobongsoonButton.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        Log.d(TAG, "Dobongsoon button clicked");  
        playVideo(R.raw.dobongsoon);  
    }  
});
```

```
goodmanagerButton.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        Log.d(TAG, "GoodManager button clicked");  
        playVideo(R.raw.goodmanager);  
    }  
});
```

```
    }  
    });
```

```
    return view;  
}
```

```
@Override
```

```
public void onCreateOptionsMenu(Menu menu, MenuInflater inflater) {  
    inflater.inflate(R.menu.menu_tab, menu);  
}
```

```
@Override
```

```
public boolean onOptionsItemSelected(MenuItem item) {  
    if (item.getItemId() == R.id.tab_comedy) {  
        Toast.makeText(getActivity(), "Clicked on " + item.getTitle(), Toast.LENGTH_SHORT)  
            .show();  
    }  
    return true;  
}
```

```
private void playVideo(int videoResource) {
```

```
    String videoPath = "android.resource://" + getActivity().getPackageName() + "/" + videoResource;  
    Intent intent = new Intent(getActivity(), VideoPlayerActivity.class);  
    intent.putExtra("VIDEO_PATH", videoPath);  
    startActivity(intent);
```

```
}  
}  
...
```

- `HororFragment.java` :

```
...
```

```
package com.finalapp;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.util.Log;
```

```
import android.view.LayoutInflater;
```

```
import android.view.Menu;
```

```
import android.view.MenuInflater;
```

```
import android.view.MenuItem;
```

```
import android.view.View;
```

```
import android.view.ViewGroup;
```

```
import android.widget.Button;
```

```
import android.widget.Toast;
```

```
import androidx.fragment.app.Fragment;
```

```
import com.finalapp.VideoPlayerActivity;
```

```
public class HorrorFragment extends Fragment {

    private static final String TAG = "HorrorFragment";

    @Override

    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                             Bundle savedInstanceState) {

        // Inflate the layout for this fragment

        setHasOptionsMenu(true);

        View view = inflater.inflate(R.layout.fragment_romance, container, false);

        // Find the button by its ID

        Button nighthascomeButton = view.findViewById(R.id.nighthascome);

        Button savemeButton = view.findViewById(R.id.saveme);

        Button mourninggraveButton = view.findViewById(R.id.mourninggrave);

        // Set click listener for each button

        nighthascomeButton.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                Log.d(TAG, "NightHasCome button clicked");

                playVideo(R.raw.nighthascoem);

            }

        });

    }

}
```



```
savemeButton.setOnClickListener(new View.OnClickListener() {  
  
    @Override  
  
    public void onClick(View v) {  
  
        Log.d(TAG, "SaveMe button clicked");  
  
        playVideo(R.raw.saveme);  
  
    }  
  
});
```

```
mourninggraveButton.setOnClickListener(new View.OnClickListener() {  
  
    @Override  
  
    public void onClick(View v) {  
  
        Log.d(TAG, "MourningGrave button clicked");  
  
        playVideo(R.raw.mourninggrave);  
  
    }  
  
});
```

```
return view;  
}
```

```
@Override  
  
public void onCreateOptionsMenu(Menu menu, MenuInflater inflater) {  
  
    inflater.inflate(R.menu.menu_tab, menu);  
  
}
```

```
@Override
```

```

public boolean onOptionsItemSelected(MenuItem item) {

    if (item.getItemId() == R.id.tab_romance) {

        Toast.makeText(getActivity(), "Clicked on " + item.getTitle(), Toast.LENGTH_SHORT)

            .show();

    }

    return true;

}

private void playVideo(int videoResource) {

    String videoPath = "android.resource://" + getActivity().getPackageName() + "/" + videoResource;

    Intent intent = new Intent(getActivity(), VideoPlayerActivity.class);

    intent.putExtra("VIDEO_PATH", videoPath);

    startActivity(intent);

}

}

...

```

=> Lalu buat java class dengan nama `ViewAdapter.java`, yang berisi code :

```

...

package com.finalapp;

import androidx.annotation.NonNull;

import androidx.fragment.app.Fragment;

import androidx.fragment.app.FragmentActivity;

import androidx.viewpager2.adapter.FragmentStateAdapter;

```

```
public class ViewAdapter extends FragmentStateAdapter {  
  
    public ViewAdapter(@NonNull FragmentActivity fragmentActivity) {  
  
        super(fragmentActivity);  
  
    }  
  

```

@NonNull

@Override

```
public Fragment createFragment(int position) {  
  
    switch (position){  
  
        case 0:  
  
            return new ActionFragment();  
  
        case 1:  
  
            return new ComedyFragment();  
  
        case 2:  
  
            return new HorrorFragment();  
  
        default:  
  
            return new ActionFragment();  
  
    }  
  
}
```

@Override

```
public int getItemCount() {  
  
    return 3;  
  
}
```

```
}  
...
```

=> Setelah itu membuat java class untuk memutar video dengan nama `VideoPlayerActivity.java`, yang berisi code :

```
...
```

```
package com.finalapp;
```

```
import android.content.pm.ActivityInfo;
```

```
import android.net.Uri;
```

```
import android.os.Bundle;
```

```
import android.view.Menu;
```

```
import android.view.MenuItem;
```

```
import android.view.View;
```

```
import android.view.ViewGroup;
```

```
import android.widget.MediaController;
```

```
import android.widget.RelativeLayout;
```

```
import android.widget.VideoView;
```

```
import androidx.annotation.NonNull;
```

```
import androidx.annotation.Nullable;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
public class VideoPlayerActivity extends AppCompatActivity {
```

```
private VideoView videoView; // Deklarasi VideoView sebagai variabel global

private int originalOrientation;

@Override

protected void onCreate(@Nullable Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_video_player);

    // Get the video URI from the intent

    String videoPath = getIntent().getStringExtra("VIDEO_PATH");

    Uri uri = Uri.parse(videoPath);

    // Set up VideoView

    videoView = findViewById(R.id.videoView); // Inisialisasi variabel videoView

    videoView.setVideoURI(uri);

    // Set up MediaController

    MediaController mediaController = new MediaController(this);

    mediaController.setAnchorView(videoView);

    videoView.setMediaController(mediaController);

    // Start playing the video

    videoView.start();

    // Get the original orientation
```

```

originalOrientation = getResources().getConfiguration().orientation;

// Adjust video layout based on the original orientation
adjustVideoLayout(originalOrientation);
}

@Override

protected void onResume() {

    super.onResume();

    // Detect orientation changes and adjust VideoView layout
    int currentOrientation = getResources().getConfiguration().orientation;
    if (currentOrientation != originalOrientation) {
        adjustVideoLayout(currentOrientation);
        originalOrientation = currentOrientation;
    }
}

private void adjustVideoLayout(int orientation) {
    if (orientation == ActivityInfo.SCREEN_ORIENTATION_LANDSCAPE ||
        orientation == ActivityInfo.SCREEN_ORIENTATION_REVERSE_LANDSCAPE) {
        // Landscape mode
        setFullscreen(true);
    } else {
        // Portrait or other orientations
        setFullscreen(false);
    }
}

```

```
}  
}
```

```
private void setFullscreen(boolean fullscreen) {  
    if (fullscreen) {  
        // Hide action bar  
        if (getSupportActionBar() != null) {  
            getSupportActionBar().hide();  
        }  
  
        // Set VideoView layout parameters for fullscreen  
        RelativeLayout.LayoutParams params = new RelativeLayout.LayoutParams(  
            ViewGroup.LayoutParams.MATCH_PARENT,  
            ViewGroup.LayoutParams.MATCH_PARENT  
        );  
        params.addRule(RelativeLayout.CENTER_IN_PARENT);  
        videoView.setLayoutParams(params);  
  
        // Hide navigation bar and status bar  
        getWindow().getDecorView().setSystemUiVisibility(  
            View.SYSTEM_UI_FLAG_FULLSCREEN |  
            View.SYSTEM_UI_FLAG_HIDE_NAVIGATION |  
            View.SYSTEM_UI_FLAG_IMMERSIVE_STICKY);  
    } else {  
        // Show action bar
```

```

        if (getSupportActionBar() != null) {
            getSupportActionBar().show();
        }

        // Set VideoView layout parameters for normal mode
        RelativeLayout.LayoutParams params = new RelativeLayout.LayoutParams(
            ViewGroup.LayoutParams.MATCH_PARENT,
            ViewGroup.LayoutParams.WRAP_CONTENT
        );
        params.addRule(RelativeLayout.CENTER_IN_PARENT);
        videoView.setLayoutParams(params);

        // Show navigation bar and status bar
        getWindow().getDecorView().setSystemUiVisibility(
            View.SYSTEM_UI_FLAG_VISIBLE);
    }
}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    getMenuInflater().inflate(R.menu.menu_video_player, menu);
    return true;
}

@Override

```



```

public boolean onOptionsItemSelected(@NonNull MenuItem item) {

    if (item.getItemId() == R.id.action_back) {

        // Tambahkan logika untuk kembali ke halaman sebelumnya atau finish activity

        finish();

        return true;

    }

    return super.onOptionsItemSelected(item);

}

}

...

```

> 4. ***res***

=> Pada bagian `Drawable` saya menambahkan *Drawable Resource File* dengan nama `bg_cardview.xml`, yang berisikan code :

...

```
<!-- cardview_pressed_effect.xml -->
```

```
<selector xmlns:android="http://schemas.android.com/apk/res/android">
```

```
    <item android:state_pressed="true">
```

```
        <shape android:shape="rectangle">
```

```
            <!-- Ganti warna latar belakang yang diinginkan saat CardView ditekan -->
```

```
            <solid android:color="#F6F7F9" />
```

```
            <corners android:radius="20dp"/>
```

```
        </shape>
```

```
    </item>
```

<item>

<!-- Warna latar belakang default saat tidak ditekan -->

<shape android:shape="rectangle">

<solid android:color="#008BD7EE" />\

</shape>

</item>

</selector>

...

=> `values`

- `colors.xml` :

...

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

<resources>

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

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

<color name="blue">#3700B3</color>

<color name="pink">#FFC0CB</color>

<color name="colorPrimary">#3F5185</color>

<color name="colorPrimaryDark">#303F9F</color>

<color name="colorAccent">#FF4081</color>

<color name="birumuda">#95AFD5</color>

<color name="salem">#F8C6E6</color>

```

<color name="purple">#E3A2ED</color>

<color name="hijau">#87986D</color>

<color name="biru">#788A99</color>

<color name="hijaumuda">#C2E69C</color>

<color name="kuning">#FFEB3B</color>

<color name="orange">#FF9800</color>

<color name="cream">#E6C18A</color>

<color name="hijautua">#3F4A2F</color>

<color name="hijausoft">#9FC17C</color>

<color name="coklat">#574545</color>

<color name="choco">#A69E9E</color>

</resources>

...

```

=> `strings.xml` (tambahkan code strings.xml dibawah ini dengan code strings.xml pada project sebelumnya yaitu tugas 2) :

```

...

<resources>

<string name="app_name">ProjectWafha</string>

    <!-- TODO: Remove or change this placeholder text -->

<string name="hello_blank_fragment">Hello blank fragment</string>

</resources>

...

```

=> `themes`

- `themes.xml` dan `themes.xml(night)` (sama isi code nya) :

...

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

    <!-- Base application theme. -->

    <style name="SplashScreen" parent="Theme.MaterialComponents.DayNight.NoActionBar">

        <item name="android:windowBackground">@drawable/splashscreenapp</item>

        <item name="android:statusBarColor">?attr/colorOnPrimary</item>

    </style>

    <!-- Base application theme. -->

    <style name="Base.Theme.TabExperiment"
parent="Theme.MaterialComponents.DayNight.DarkActionBar">

        <!-- Primary brand color. -->

        <item name="colorPrimary">@color/colorPrimary</item>

        <item name="colorPrimaryVariant">@color/cream</item>

        <item name="colorOnPrimary">@color/white</item>

        <!-- Secondary brand color. -->

        <item name="colorSecondary">@color/hijau</item>

        <item name="colorSecondaryVariant">@color/hijaumuda</item>

        <item name="colorOnSecondary">@color/black</item>

        <!-- Status bar color. -->

        <item name="android:statusBarColor">@color/choco</item>

        <item name="android:navigationBarColor">@color/choco</item>

        <!-- Customize your light theme here. -->

    </style>

    <style name="Theme.TabExperiment" parent="Base.Theme.TabExperiment" />
```

```
</resources>
```

```
...
```

=> Untuk menambahkan video pada Android Studio disini saya memakai `res/raw/video_kita.mp4`, yaitu caranya yang pertama kita klik kanan terlebih dahulu di bagian `res` lalu kita pilih dan klik `new` lalu pilih dan klik bagian `Android Resource Directory`, setelah itu ada bagian `Resource type` kita pilih `raw` lalu kita klik OK. Lalu setelah itu langsung saja kita copy paste video yang kita ingin masukkan ke dalam project kita ke dalam `raw`.

=> `layout`

=> Pada `activity_main.xml` saya melakukan penambahan dan perubahan code untuk design nya, yaitu isi code keseluruhannya adalah :

- `activity_main.xml` :

```
...
```

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

```
<ScrollView
```

```
    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/bg_menu"
```

```
    tools:context=".MainActivity">
```

```
<RelativeLayout
```

```
    android:layout_width="match_parent"
```

```
android:layout_height="wrap_content">
```

```
<TextView
```

```
    android:id="@+id/title_view"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_centerHorizontal="true"
```

```
    android:text="Menu Program"
```

```
    android:fontFamily="serif"
```

```
    android:textColor="@color/black"
```

```
    android:textStyle="bold"
```

```
    android:textSize="35sp"
```

```
    android:layout_marginTop="35dp"/>
```

```
<GridLayout
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent"
```

```
    android:layout_below="@+id/title_view"
```

```
    android:layout_marginStart="35dp"
```

```
    android:layout_marginTop="45dp"
```

```
    android:layout_marginEnd="40dp"
```

```
    android:layout_marginBottom="35dp"
```

```
    android:columnCount="10"
```

```
    android:rowCount="10">
```

```
<androidx.cardview.widget.CardView
```

```
    android:id="@+id/cdMenu1"
```

```
    android:layout_width="80dp"
```

```
    android:layout_height="100dp"
```

```
    android:layout_row="0"
```

```
    android:layout_rowWeight="1"
```

```
    android:layout_column="0"
```

```
    android:layout_columnWeight="1"
```

```
    android:layout_gravity="fill"
```

```
    android:layout_margin="8dp"
```

```
    app:cardCornerRadius="8dp"
```

```
    app:cardElevation="8dp">
```

```
<LinearLayout
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_gravity="center_vertical|center_horizontal"
```

```
    android:gravity="center"
```

```
    android:orientation="vertical">
```

```
<ImageView
```

```
    android:layout_width="50dp"
```

```
    android:layout_height="50dp"
```

```
    android:src="@drawable/worldwide" />
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:fontFamily="sans-serif"
    android:text="HELLO WORLD!"
    android:textAlignment="center"
    android:textColor="@color/black"
    android:textStyle="bold" />
</LinearLayout>
</androidx.cardview.widget.CardView>
```

```
<androidx.cardview.widget.CardView
    android:id="@+id/cdMenu2"
    android:layout_width="80dp"
    android:layout_height="100dp"
    android:layout_row="0"
    android:layout_rowWeight="1"
    android:layout_column="1"
    android:layout_columnWeight="1"
    android:layout_gravity="fill"
    android:layout_margin="8dp"
    app:cardCornerRadius="8dp"
    app:cardElevation="8dp">
```



```
<LinearLayout  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_gravity="center_vertical|center_horizontal"  
    android:gravity="center"  
    android:orientation="vertical">
```

```
<ImageView  
    android:layout_width="50dp"  
    android:layout_height="50dp"  
    android:src="@drawable/mathematics_symbols" />
```

```
<TextView  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginTop="10dp"  
    android:fontFamily="serif"  
    android:text="FIBONACCI"  
    android:textAlignment="center"  
    android:textColor="@color/black"  
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<androidx.cardview.widget.CardView
```

```
android:id="@+id/cdMenu3"
android:layout_width="80dp"
android:layout_height="100dp"
android:layout_row="1"
android:layout_rowWeight="1"
android:layout_column="0"
android:layout_columnWeight="1"
android:layout_gravity="fill"
android:layout_margin="8dp"
app:cardCornerRadius="8dp"
app:cardElevation="8dp">
```

```
<LinearLayout
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical|center_horizontal"
    android:gravity="center"
    android:orientation="vertical">
```

```
<ImageView
```

```
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:src="@drawable/script" />
```

```
<TextView
```

```
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:fontFamily="serif"
        android:text="ICE COLD!"
        android:textAlignment="center"
        android:textColor="@color/black"
        android:textStyle="bold" />
    </LinearLayout>
</androidx.cardview.widget.CardView>
```

```
<androidx.cardview.widget.CardView
    android:id="@+id/cdMenu4"
    android:layout_width="80dp"
    android:layout_height="100dp"
    android:layout_row="1"
    android:layout_rowWeight="1"
    android:layout_column="1"
    android:layout_columnWeight="1"
    android:layout_gravity="fill"
    android:layout_margin="8dp"
    app:cardCornerRadius="8dp"
    app:cardElevation="8dp">
```

```
<LinearLayout
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical|center_horizontal"
    android:gravity="center"
    android:orientation="vertical">
```

```
<ImageView
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:src="@drawable/messaging" />
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:fontFamily="serif"
    android:text="TWO ACTIVITY"
    android:textAlignment="center"
    android:textColor="@color/black"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<androidx.cardview.widget.CardView
```

```
    android:id="@+id/cdMenu5"
```

```
android:layout_width="80dp"
android:layout_height="100dp"
android:layout_row="2"
android:layout_rowWeight="1"
android:layout_column="0"
android:layout_columnWeight="1"
android:layout_gravity="fill"
android:layout_margin="8dp"
app:cardCornerRadius="8dp"
app:cardElevation="8dp">
```

```
<LinearLayout
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical|center_horizontal"
    android:gravity="center"
    android:orientation="vertical">
```

```
<ImageView
```

```
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:src="@drawable/alarm__1_" />
```

```
<TextView
```

```
    android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"

        android:layout_marginTop="10dp"

        android:fontFamily="serif"

        android:text="ALARM"

        android:textAlignment="center"

        android:textColor="@color/black"

        android:textStyle="bold" />

</LinearLayout>

</androidx.cardview.widget.CardView>
```

```
<androidx.cardview.widget.CardView

    android:id="@+id/cdMenu6"

    android:layout_width="80dp"

    android:layout_height="100dp"

    android:layout_row="2"

    android:layout_rowWeight="1"

    android:layout_column="1"

    android:layout_columnWeight="1"

    android:layout_gravity="fill"

    android:layout_margin="8dp"

    app:cardCornerRadius="8dp"

    app:cardElevation="8dp">
```

```
<LinearLayout

    android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"

android:layout_gravity="center_vertical|center_horizontal"

android:gravity="center"

android:orientation="vertical">
```

```
<ImageView

    android:layout_width="50dp"

    android:layout_height="50dp"

    android:src="@drawable/gps" />
```

```
<TextView

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_marginTop="10dp"

    android:fontFamily="serif"

    android:text="G-MAPS"

    android:textAlignment="center"

    android:textColor="@color/black"

    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<androidx.cardview.widget.CardView
```

```
    android:id="@+id/cdMenu7"

    android:layout_width="80dp"
```

```
android:layout_height="100dp"

android:layout_row="3"

android:layout_rowWeight="1"

android:layout_column="0"

android:layout_columnWeight="1"

android:layout_gravity="fill"

android:layout_margin="8dp"

app:cardCornerRadius="8dp"

app:cardElevation="8dp">
```

```
<LinearLayout
```

```
    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_gravity="center_vertical|center_horizontal"

    android:gravity="center"

    android:orientation="vertical">
```

```
<ImageView
```

```
    android:layout_width="50dp"

    android:layout_height="50dp"

    android:src="@drawable/movies" />
```

```
<TextView
```

```
    android:layout_width="wrap_content"

    android:layout_height="wrap_content"
```



```
        android:layout_marginTop="10dp"

        android:fontFamily="serif"

        android:text="MOVIES"

        android:textAlignment="center"

        android:textColor="@color/black"

        android:textStyle="bold" />

</LinearLayout>

</androidx.cardview.widget.CardView>
```

```
<androidx.cardview.widget.CardView

    android:id="@+id/cdMenu8"

    android:layout_width="80dp"

    android:layout_height="100dp"

    android:layout_row="3"

    android:layout_rowWeight="1"

    android:layout_column="1"

    android:layout_columnWeight="1"

    android:layout_gravity="fill"

    android:layout_margin="8dp"

    app:cardCornerRadius="8dp"

    app:cardElevation="8dp">
```

```
<LinearLayout

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"
```

android:layout_gravity="center_vertical|center_horizontal"

android:gravity="center"

android:orientation="vertical">

<ImageView

android:layout_width="50dp"

android:layout_height="50dp"

android:src="@drawable/serendipityapps" />

<TextView

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginTop="10dp"

android:fontFamily="serif"

android:text="EMPTY"

android:textAlignment="center"

android:textColor="@color/black"

android:textStyle="bold" />

</LinearLayout>

</androidx.cardview.widget.CardView>

<androidx.cardview.widget.CardView

android:id="@+id/cdMenu9"

android:layout_width="80dp"

android:layout_height="100dp"

```
android:layout_row="4"
android:layout_rowWeight="1"
android:layout_column="0"
android:layout_columnWeight="1"
android:layout_gravity="fill"
android:layout_margin="8dp"
app:cardCornerRadius="8dp"
app:cardElevation="8dp">
```

```
<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical|center_horizontal"
    android:gravity="center"
    android:orientation="vertical">
```

```
<ImageView
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:src="@drawable/serendipityapps" />
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
```

```
        android:fontFamily="serif"

        android:text="EMPTY"

        android:textAlignment="center"

        android:textColor="@color/black"

        android:textStyle="bold" />

</LinearLayout>

</androidx.cardview.widget.CardView>

<androidx.cardview.widget.CardView

    android:id="@+id/cdMenu10"

    android:layout_width="80dp"

    android:layout_height="100dp"

    android:layout_row="4"

    android:layout_rowWeight="1"

    android:layout_column="1"

    android:layout_columnWeight="1"

    android:layout_gravity="fill"

    android:layout_margin="8dp"

    app:cardCornerRadius="8dp"

    app:cardElevation="8dp">

    <LinearLayout

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_gravity="center_vertical|center_horizontal"
```

```
android:gravity="center"

android:orientation="vertical">
```

```
<ImageView

    android:layout_width="50dp"

    android:layout_height="50dp"

    android:src="@drawable/serendipityapps" />
```

```
<TextView

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_marginTop="10dp"

    android:fontFamily="serif"

    android:text="THANK U"

    android:textAlignment="center"

    android:textColor="@color/black"

    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
</GridLayout>
```

```
<TextView

    android:id="@+id/bottom_text"

    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"

    android:layout_marginBottom="35dp"

    android:layout_alignParentBottom="true"

    android:layout_centerHorizontal="true"

    android:fontFamily="monospace"

    android:text="© 2024 Wafha"

    android:textColor="@color/black"

    android:textSize="15sp"

    android:textStyle="bold" />
```

```
</RelativeLayout>
```

```
</ScrollView>
```

```
...
```

```
- `activity_movie.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="@color/white"
```

```
    tools:context=".FragmentActivity">
```

```
<com.google.android.material.tabs.TabLayout  
    android:id="@+id/tab"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:background="@color/choco"  
    app:tabSelectedTextColor="@color/white"  
    app:tabIndicatorColor="@color/white"  
    tools:layout_editor_absoluteX="1dp"  
    tools:layout_editor_absoluteY="3dp"  
    tools:ignore="MissingConstraints">
```

```
<com.google.android.material.tabs.TabItem  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Action"  
    tools:layout_editor_absoluteX="0dp"  
    tools:layout_editor_absoluteY="3dp" />
```

```
<com.google.android.material.tabs.TabItem  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Comedy" />
```

```
<com.google.android.material.tabs.TabItem  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Romance" />  
</com.google.android.material.tabs.TabLayout>
```

```
<androidx.viewpager2.widget.ViewPager2  
    android:id="@+id/view"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:layout_marginTop="50dp"  
    android:background="@color/white"  
    tools:layout_editor_absoluteX="1dp"  
    tools:layout_editor_absoluteY="52dp" />
```

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

```
...
```

```
- `activity_video_player.xml` :
```

```
...
```

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

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

```
    android:layout_width="match_parent"
```

```
    android:layout_height="match_parent">
```



```
<VideoView
    android:id="@+id/videoView"
    android:layout_width="match_parent"
    android:layout_height="match_parent"/>
</RelativeLayout>
...
```

- `fragment_action.xml` :

```
...

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    xmlns:tools="http://schemas.android.com/tools"
    android:padding="25dp"
    tools:context="ActionFragment">

    <TextView
        android:id="@+id/tvTitle"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_toRightOf="@id/imgMovie"
        android:layout_marginStart="16dp"
        android:textSize="16sp"
        android:textColor="@color/black"
```

```
android:text="BIG MOUTH"/>
```

```
<TextView
```

```
    android:id="@+id/Deskripsi"
```

```
    android:layout_toRightOf="@id/imgMovie"
```

```
    android:layout_below="@id/tvTitle"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_marginStart="15dp"
```

```
    android:layout_marginTop="10dp"
```

```
    android:maxLines="5"
```

```
    android:textColor="@color/black"
```

```
    android:text="Park Chang-ho (Lee Jong-suk) adalah seorang pengacara yang memiliki tingkat kemenangan sangat kecil, yakni hanya 10 persen, dalam persidangan. Karena sifatnya yang terkenal banyak bicara, ia dijuluki Big Mouth alias bermulut besar. Namun suatu ketika, ia tidak sengaja terlibat dalam kasus pembunuhan yang mengancam jiwanya. Hal tersebut terjadi saat ia ditugaskan menangani kasus elit yang pada akhirnya membuatnya dilempar ke penjara dengan para pembunuh yang sedang ia selidiki. Sebab, para penyelidik menemukan sejumlah obat terlarang, uang tunai, senjata dan barang bukti lainnya di kantor Chang-ho. Karena penemuan ini, ia pun dituduh sebagai penipu genius bernama Big Mouse."/>
```

```
<Button
```

```
    android:id="@+id/bigmouth"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_below="@id/Deskripsi"
```

```
    android:layout_marginStart="9dp"
```

```
    android:layout_marginTop="2dp"
```

```
android:layout_toRightOf="@id/imgMovie"

android:onClick="playBigMouthTrailer"

android:text="Watch Trailer Now" />
```

```
<ImageView
```

```
    android:id="@+id/imgMovie"

    android:layout_width="150dp"

    android:layout_height="170dp"

    android:src="@drawable/actionbigmouth" />
```

```
<TextView
```

```
    android:id="@+id/tvTitle2"

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:layout_marginStart="16dp"

    android:layout_marginLeft="12dp"

    android:layout_marginTop="200dp"

    android:layout_toRightOf="@id/imgMovie2"

    android:text="VAGABOND"

    android:textColor="@color/black"

    android:textSize="16sp" />
```

```
<TextView
```

```
    android:id="@+id/Deskription2"

    android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"

android:layout_below="@id/tvTitle"

android:layout_marginStart="16dp"

android:layout_marginLeft="13dp"

android:layout_marginTop="212dp"

android:layout_toRightOf="@id/imgMovie2"

android:maxLines="5"
```

android:text="Sebuah kecelakaan pesawat misterius menewaskan lebih dari 200 warga sipil termasuk keponakan Cha Dal-gun (Lee Seung-gi). Bertekad untuk mencari tahu kebenaran di balik kecelakaan itu, Cha Dal-gun melakukan penyelidikan yang membawanya ke jaringan korupsi yang rumit.

"

```
android:textColor="@color/black" />
```

<ImageView

```
android:id="@+id/imgMovie2"

android:layout_width="150dp"

android:layout_height="170dp"

android:layout_marginTop="200dp"

android:src="@drawable/actionvagabond" />
```

<Button

```
android:id="@+id/vagabond"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginStart="9dp"

android:layout_marginTop="2dp"
```

```
android:layout_toRightOf="@id/imgMovie2"
android:layout_below="@id/Deskription2"
android:text="Watch Trailer Now"
android:onClick="playVagabondTrailer"/>
```

```
<ImageView
```

```
    android:id="@+id/imgMovie3"
    android:layout_width="150dp"
    android:layout_height="170dp"
    android:layout_marginTop="400dp"
    android:src="@drawable/actionmyname"/>
```

```
<TextView
```

```
    android:id="@+id/tvTitle3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginLeft="14dp"
    android:layout_marginTop="400dp"
    android:layout_toRightOf="@id/imgMovie3"
    android:text="MY NAME"
    android:textColor="@color/black"
    android:textSize="16sp" />
```

```
<TextView
```

```
android:id="@+id/Deskripsi3"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:layout_below="@id/tvTitle"

android:layout_marginStart="16dp"

android:layout_marginLeft="16dp"

android:layout_marginTop="403dp"

android:layout_toRightOf="@id/imgMovie3"

android:maxLines="5"
```

android:text="Drama orisinal Netflix ini mengikuti perjalanan seorang pelajar SMA berusia 17 tahun bernama Yoon Ji Woo yang diperankan oleh Han So Hee. Ayah Yoon Ji Woo meninggal secara tiba-tiba. Lalu Ji Woo mati-matian ingin membalas dendam pada siapa pun yang bertanggung jawab atas kematian ayahnya. Yoon Ji Woo sendiri bekerja untuk kelompok kejahatan narkoba Dongcheonpa."

```
android:textColor="@color/black" />
```

```
<Button
```

```
android:id="@+id/myname"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_below="@id/Deskripsi3"

android:layout_marginStart="9dp"

android:layout_marginTop="2dp"

android:layout_toRightOf="@id/imgMovie3"

android:onClick="playMyNameTrailer"

android:text="Watch Trailer Now" />
```

```
</RelativeLayout>
```

```
...
```

- `fragment_comedy.xml`

...

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

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

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

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

```
    android:padding="25dp">
```

```
    <ImageView
```

```
        android:id="@+id/imgMovie"
```

```
        android:layout_width="150dp"
```

```
        android:layout_height="170dp"
```

```
        android:src="@drawable/horornighthascome"/>
```

```
    <TextView
```

```
        android:id="@+id/tvTitle"
```

```
        android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"
```

```
        android:layout_toRightOf="@id/imgMovie"
```

```
        android:layout_marginStart="16dp"
```

```
        android:textSize="16sp"
```

```
        android:textColor="@color/black"
```

```
        android:text="NIGHT HAS COME"/>
```

<TextView

```
    android:id="@+id/Deskripsi"
    android:layout_toRightOf="@id/imgMovie"
    android:layout_below="@id/tvTitle"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="10dp"
    android:maxLines="5"
    android:textColor="@color/black"
```

android:text="Drama Korea terbaik dan terbaru dengan retret menegangkan adalah NIGHT HAS COME. Drama ini menyoroti sekelompok siswa yang sedang melakukan retret namun berakhir menegangkan. Kisahnya tentang para siswa SMA kelas dua dipaksa untuk bermain permainan mafia dalam kehidupan nyata selama retret. Permainan mematikan tersebut membuat mereka saling mencurigai satu sama lain dan berusaha bertahan hidup. Di sisi lain, kerja sama juga harus dilakukan untuk bertahan hidup dan keluar dari tempat yang penuh misteri."/>

<Button

```
    android:id="@+id/nighthascome"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="9dp"
    android:layout_marginTop="2dp"
    android:layout_toRightOf="@id/imgMovie"
    android:layout_below="@id/Deskripsi"
    android:text="Watch Trailer Now"
```



```
android:onClick="playNightHasComeTrailer"/>
```

```
<ImageView
```

```
    android:id="@+id/imgMovie2"
```

```
    android:layout_width="150dp"
```

```
    android:layout_height="170dp"
```

```
    android:layout_marginTop="200dp"
```

```
    android:src="@drawable/hororsaveme"/>
```

```
<TextView
```

```
    android:id="@+id/tvTitle2"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_toRightOf="@id/imgMovie"
```

```
    android:layout_marginStart="16dp"
```

```
    android:layout_marginTop="200dp"
```

```
    android:textSize="16sp"
```

```
    android:textColor="@color/black"
```

```
    android:text="SAVE ME"/>
```

```
<TextView
```

```
    android:id="@+id/Deskription2"
```

```
    android:layout_toRightOf="@id/imgMovie"
```

```
    android:layout_below="@id/tvTitle"
```

```
    android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
```

```
android:layout_marginStart="16dp"
```

```
android:layout_marginTop="210dp"
```

```
android:maxLines="5"
```

```
android:textColor="@color/black"
```

```
    android:text="ave Me mengisahkan tentang Im Sang-mi (Seo Yea-ji) yang memutuskan pindah dari Seoul ke sebuah desa terpencil bernama Muji-gun. Sang-mi dan keluarganya memilih pindah ke desa itu karena alasan ekonomi. Selain itu, sang adik Im Sang-jin (Jang Yoo-sang) menderita gangguan mental karena bullying." />
```

```
<Button
```

```
    android:id="@+id/saveme"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_marginStart="9dp"
```

```
    android:layout_marginTop="2dp"
```

```
    android:layout_toRightOf="@id/imgMovie"
```

```
    android:layout_below="@id/Deskripsi2"
```

```
    android:text="Watch Trailer Now"
```

```
    android:onClick="playSaveMeTrailer"/>
```

```
<ImageView
```

```
    android:id="@+id/imgMovie3"
```

```
    android:layout_width="150dp"
```

```
    android:layout_height="170dp"
```

```
    android:layout_marginTop="400dp"
```

```
    android:src="@drawable/horormourninggrave"/>
```

```
<TextView  
    android:id="@+id/tvTitle3"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_toRightOf="@id/imgMovie"  
    android:layout_marginStart="16dp"  
    android:layout_marginTop="400dp"  
    android:textSize="16sp"  
    android:textColor="@color/black"  
    android:text="MOURNING GRAVE"/>
```

```
<TextView  
    android:id="@+id/Deskripsi3"  
    android:layout_toRightOf="@id/imgMovie"  
    android:layout_below="@id/tvTitle"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="16dp"  
    android:layout_marginTop="410dp"  
    android:maxLines="5"  
    android:textColor="@color/black"
```

```
    android:text="Mourning Grave adalah film Korea yang dirilis pada tahun 2014. Film horor ini  
menceritakan tentang In Soo (Kang Ha Neul) yang punya kemampuan melihat hantu. Akibat kemampuan  
khususnya tersebut, ia dikucilkan oleh teman-temannya. In Soo pun pindah ke sebuah sekolah di  
pinggiran kota Seoul, Korea Selatan.."/>
```

```
<Button
    android:id="@+id/mourninggrave"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="9dp"
    android:layout_marginTop="2dp"
    android:layout_toRightOf="@id/imgMovie"
    android:layout_below="@id/Deskription3"
    android:text="Watch Trailer Now"
    android:onClick="playMourningGraveTrailer"/>
</RelativeLayout>
...

```

- `fragment_comedy.xml`

```
...
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:padding="25dp">

    <ImageView
        android:id="@+id/imgMovie"
        android:layout_width="150dp"

```

```
android:layout_height="170dp"

android:src="@drawable/comedyexit"/>
```

```
<TextView
```

```
    android:id="@+id/tvTitle"

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:layout_marginStart="16dp"

    android:layout_marginLeft="16dp"

    android:layout_toRightOf="@id/imgMovie"

    android:text="EXIT"

    android:textColor="@color/black"

    android:textSize="16sp" />
```

```
<TextView
```

```
    android:id="@+id/Deskripsi"

    android:layout_toRightOf="@id/imgMovie"

    android:layout_below="@id/tvTitle"

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:layout_marginStart="16dp"

    android:layout_marginTop="10dp"

    android:maxLines="5"

    android:textColor="@color/black"
```

```
    android:text="Yong-nam adalah seorang pria yang pernah menjadi salah satu pemanjat tebing
    terbaik semasa kuliahnya. Ia gagal mendapatkan pekerjaan selama bertahun-tahun. Kini, dia harus
```

bergantung pada orang tuanya hanya untuk bertahan hidup. Untuk ulang tahun ibunya yang ke-70, dia bersikeras mengadakan pesta di Dream Garden karena kekasih lamanya, Eui-ju bekerja di sana. Apa yang dilakukan Yong-nam hanya akan membuat Eui-joo terkejut dan terkesan. Yong-nam berbohong pada Eui-joo bahwa dia sekarang memiliki karier yang sukses. Sementara itu, seorang teroris memarkir truk di dekat Cloud Garden dan mengeluarkan gas putih yang beracun. Gas tersebut dengan cepat menyebar ke sekitar dan menyebabkan kekacauan massal di kota." />

<Button

```
    android:id="@+id/exit"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_marginStart="9dp"

    android:layout_marginTop="2dp"

    android:layout_toRightOf="@id/imgMovie"

    android:layout_below="@id/Deskripsi"

    android:text="Watch Trailer Now"

    android:onClick="playExitTrailer"/>
```

<ImageView

```
    android:id="@+id/imgMovie2"

    android:layout_width="150dp"

    android:layout_height="170dp"

    android:layout_marginTop="200dp"

    android:src="@drawable/comedydobongsoon"/>
```

<TextView

```
    android:id="@+id/tvTitle2"
```

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_toRightOf="@id/imgMovie"
android:layout_marginStart="16dp"
android:layout_marginTop="200dp"
android:textSize="16sp"
android:textColor="@color/black"
android:text="STRONG WOMAN DO BONG SOON"/>
```

<TextView

```
android:id="@+id/Deskripsi2"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_below="@id/tvTitle"
android:layout_marginStart="16dp"
android:layout_marginLeft="12dp"
android:layout_marginTop="210dp"
android:layout_toRightOf="@id/imgMovie"
android:maxLines="5"
android:textColor="@color/black"
```

```
android:text="Drama Korea Strong Girl Bong Soon menceritakan tentang kehidupan sehari-hari Do Bong Soon. Terlahir dalam keluarga wanita tangguh, Bong Soon diberkahi dengan sebuah kekuatan super yang luar biasa dan turun-temurun. Mimpinya adalah membuat video game dengan dirinya sendiri sebagai karakter utama" />
```

<Button

```
android:id="@+id/dobongsoon"
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="9dp"
android:layout_marginTop="2dp"
android:layout_toRightOf="@id/imgMovie"
android:layout_below="@id/Deskription2"
android:text="Watch Trailer Now"
android:onClick="playDoBongSoonTrailer"/>
```

```
<ImageView
```

```
    android:id="@+id/imgMovie3"
    android:layout_width="150dp"
    android:layout_height="175dp"
    android:layout_marginTop="400dp"
    android:src="@drawable/comedygoodmanager"/>
```

```
<TextView
```

```
    android:id="@+id/tvTitle3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_toRightOf="@id/imgMovie"
    android:layout_marginStart="16dp"
    android:layout_marginTop="400dp"
    android:textSize="16sp"
    android:textColor="@color/black"
```



```
android:text="GOOD MANAGER"/>
```

```
<TextView
```

```
    android:id="@+id/Deskription3"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_below="@id/tvTitle"
```

```
    android:layout_marginStart="16dp"
```

```
    android:layout_marginLeft="16dp"
```

```
    android:layout_marginTop="410dp"
```

```
    android:layout_toRightOf="@id/imgMovie"
```

```
    android:maxLines="5"
```

```
    android:textColor="@color/black"
```

```
    android:text="Good Manager menceritakan seorang kepala akuntan yang jenius bernama Kim Sung Ryong (Namgoong Min) yang bekerja di perusahaan TQ Group. Kim Sung Ryong awalnya berniat untuk menggelapkan dana. Namun, di tengah masa kerjanya ia justru memerangi korupsi dan berusaha menyelamatkan perusahaan" />
```

```
<Button
```

```
    android:id="@+id/goodmanager"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_marginStart="9dp"
```

```
    android:layout_marginTop="2dp"
```

```
    android:layout_toRightOf="@id/imgMovie"
```

```
    android:layout_below="@id/Deskription3"
```

```
    android:text="Watch Trailer Now"
```

```
android:onClick="playGoodManagerTrailer"/>
```

```
</RelativeLayout>
```

```
...
```

=> Pada directory `drawable` kita bisa tambahkan gambar seperti poster film yang ingin kita tampilkan, dan jangan lupa untuk menambahkan icon `baseline_more_vert_24.xml` dengan cara klik kanan pada `drawable` lalu klik New, setelah itu kita pilih dan klik Vector Asset. Setelah itu kita klik clip art lalu kita pilih icon nya, jika sudah ketemu kita klik OK lalu kita klik next. Sama halnya ketika kita ingin menambahkan menu kembali pada halaman `VideoPlayerActivity` yaitu dengan langkah-langkah yang sama seperti sebelumnya dan jangan lupa untuk menambahkan icon `baseline_arroww_circle_left_24.xml` lalu klik OK dan kita klik next.

=> Selanjutnya kita klik kanan pada `res` lalu pilih dan klik `Android Resource Directory` setelah itu kita beri nama "menu" lalu klik OK. Setelah itu kita buat Menu Resource File dengan nama `menu_tab.xml` lalu isi dengan code :

```
...
```

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

```
<menu xmlns:tools="http://schemas.android.com/tools"
```

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

```
    xmlns:app="http://schemas.android.com/apk/res-auto">
```

```
    <item
```

```
        android:id="@+id/tab_action"
```

```
        android:icon="@drawable/baseline_more_vert_24"
```

```
        android:title="Action"/>
```

```
    <item
```

```
        android:id="@+id/tab_comedy"
```

```
        android:icon="@drawable/baseline_more_vert_24"
```

```
        android:title="Comedy"/>
```

```

<item
    android:id="@+id/tab_romance"
    android:icon="@drawable/baseline_more_vert_24"
    android:title="Romance"/>
</menu>
...

```

=> Sama halnya ketika ingin menambahkan code menu untuk kembali, dengan cara kita klik kanan pada directory `menu` dan buat Menu Resource File dengan nama `menu_video_player.xml` lalu isi dengan code :

```

...

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

<menu xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:android="http://schemas.android.com/apk/res/android">

    <item
        android:id="@+id/action_back"
        android:icon="@drawable/baseline_arrow_circle_left_24"
        android:title="Back"
        app:showAsAction="always" />

</menu>
...

```

> **Hasil Program Tugas 3 : **

![VideoCapture_20240110-154420](https://github.com/wafhazahra08/ProjectUAS/assets/131223804/f67a6a83-0838-41e3-89ea-c1f8d1f63690)

<https://github.com/wafhazahra08/ProjectUAS/assets/131223804/fc3213fd-8a46-4111-aea2-b9c310fd01c2>

Semoga Bermanfaat, Terima Kasih