

**TUTORIAL APLIKASI
DAN
LANGKAH-LANGKAH PEMBUATAN SERENDIPITY APPS**



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**PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
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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.tgs9;

```

```

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 digukankan 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 masingmasing tombol :

...

```
package com.tgs9;
```

```
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">TGS9INTENT</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="button_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="paren
    t"
    app:layout_constraintHorizontal_bias="0.5
    03"
    app:layout_constraintStart_toStartOf="par
    ent"
    app:layout_constraintTop_toTopOf="paren
    t"
    app:layout_constraintVertical_bias="0.413
    "
    tools:ignore="TextSizeCheck" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

```

> `HelloActivity.java`

```

```

package com.tgs9;

```

```

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,VisualLint
ButtonSize" />
```

```
<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,VisualLint
ButtonSize" />
```

```
<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.tgs9;
```

```
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.tgs9;
```

```
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.tgs9;
```

```
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.tgs9;
```

```
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 & Hasil 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:

```


```

```
<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 masingmasing tombol :

...

```

package com.cipaapps;

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">cipaapps</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="button_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">#FFFFFFFF</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>
```

```
...
```

> 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="0.41
```

```
3" 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,VisualLint
ButtonSize" />
```

<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="0.03
9"
app:layout_constraintStart_toStartOf="pare
```

nt"

tools:ignore="UsingOnClickInXml,VisualLi

ntButtonSize" />

```
<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.cipaapps;

```

```
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/TextA
ppearance.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="VisualLintLongText" />
```

```
    </LinearLayout>
```

```
</ScrollView>
```

```
</RelativeLayout>
```

```
...
```

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

```
...
```

```
package com.cipaapps;
```

```
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.cipaapps;

```

```

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.cipaapps;
```

```
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.
    }

```



```
<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.cipaapps" compileSdk
```

```
= 34
```

```
 defaultConfig {
```

```
 applicationId = "com.cipaapps"
```

```
 minSdk = 21 targetSdk = 33
```

```
 versionCode = 1 versionName
```

```
 = "1.0"
```

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

```
 }
```

```
 buildTypes {
```

```
 release {
```

```
 isMinifyEnabled =
```

```
 false
```

```

 proguardFiles(getDefaultProguardFile("proguard-android-optimize.txt"),
"proguardrules.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.cipaapps;
```

```
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.cipaapps;
```

```
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`, `RomanceFragment`. Untuk file fragment sudah sekaligus dengan file layout xml nya (code berada pada bagian res `layout`)

- `ActionFragment.java` :

```

```
package com.cipaapps;
```

```
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 avengerButton = view.findViewById(R.id.avenger);
    Button myNameButton = view.findViewById(R.id.myname);
    Button spidermanButton = view.findViewById(R.id.spiderman);

    // Set click listener for each button
    avengerButton.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            Log.d(TAG, "Avenger button clicked");
            playVideo(R.raw.avenger);

        }

    });

    myNameButton.setOnClickListener(new View.OnClickListener() {

        @Override        public void
onClick(View v) {

            Log.d(TAG, "MyName button clicked");
            playVideo(R.raw.myname);

        }

    });

```

```

        spidermanButton.setOnClickListener(new View.OnClickListener() {

            @Override            public void
onClick(View v) {

                Log.d(TAG, "Spiderman button clicked");
playVideo(R.raw.spiderman);

            }

        });

        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.cipaapps;

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 cektokosebelahButton = view.findViewById(R.id.cektokosebelah);
Button friendzoneButton = view.findViewById(R.id.friendzone);
Button hospitalplaylistButton = view.findViewById(R.id.hospitalplaylist);

// Set click listener for each button
cektokosebelahButton.setOnClickListener(new View.OnClickListener() {
@Override public void onClick(View v) {
Log.d(TAG, "Cektokosebelah2 button clicked");
playVideo(R.raw.cektokosebelah2);
}
});

friendzoneButton.setOnClickListener(new View.OnClickListener() {
@Override public void
onClick(View v) {

```

```

        Log.d(TAG, "Friendzone button clicked");
playVideo(R.raw.friendzone);
    }
});

hospitalplaylistButton.setOnClickListener(new View.OnClickListener() {
    @Override    public void
onClick(View v) {
        Log.d(TAG, "HospitalPlaylist button clicked");
playVideo(R.raw.hospitalplaylist);
    }
});

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);
        }
    }
}

```

- `RomanceFragment.java` :

```

}

package com.cipaapps;

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.cipaapps.VideoPlayerActivity;


public class RomanceFragment extends Fragment {


    private static final String TAG = "RomanceFragment";


    @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 centurygirlButton = view.findViewById(R.id.centurygirl);
        Button cheerupButton = view.findViewById(R.id.cheerup);
        Button hiddenloveButton = view.findViewById(R.id.hiddenlove);


        // Set click listener for each button

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

```
        @Override        public void  
onClick(View v) {  
    Log.d(TAG, "Centurygirl button clicked");  
    playVideo(R.raw.centurygirl);  
    }  
});
```

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

```
hiddenloveButton.setOnClickListener(new View.OnClickListener() {  
    @Override        public void  
onClick(View v) {  
        Log.d(TAG, "Hiddenlove button clicked");  
        playVideo(R.raw.hiddenlove);  
    }  
});  
  
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.cipaapps;
```

```

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
RomanceFragment();
            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.cipaapps;
```

```
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="hijaushort">#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">SerendipityApps</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: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="EMPTY"
    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 Syifa Aurellia"
    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">
```

```
        <ImageView
```

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

```
            android:layout_width="150dp"
```

```
android:layout_height="170dp"
android:src="@drawable/film1"/>
```

```
<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="AVENGERS : END
    GAME"/>
```

```
<TextView
    android:id="@+id/Deskription"
    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="The story of the Avengers efforts to restore parts of the universe that were
    destroyed after the events of Infinity War. Using time travel technology, they attempt to steal the
    Infinity Stones to overcome the destruction caused by Thanos. An epic battle takes place,
    culminating in a great sacrifice and victory that changes the fate of the universe."/>
```

```
<Button      android:id="@+id/avenger"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="10dp"
android:layout_marginTop="10dp"
android:layout_toRightOf="@id/imgMovie"
android:layout_below="@id/Deskription"
android:text="Watch Trailer Now"
android:onClick="playAvengerTrailer"/>
```

```
<ImageView
android:id="@+id/imgMovie2"
android:layout_width="150dp"
android:layout_height="170dp"
android:layout_marginTop="200dp"
android:src="@drawable/film4"/>
```

```
<TextView      android:id="@+id/tvTitle2"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_toRightOf="@id/imgMovie2"
android:layout_marginStart="16dp"
android:layout_marginTop="200dp"
```

```
android:textSize="16sp"
android:textColor="@color/black"
android:text="MY NAME"/>
```

```
<TextView
    android:id="@+id/Deskription2"
    android:layout_toRightOf="@id/imgMovie2"
    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="The story of Yoon Ji-woo, a woman who disguises herself as a member of a
    criminal gang to investigate her father's death. On his journey to find the truth, Ji-woo becomes
    involved in conflicts and dark secrets that lead to a battle between justice and ambition in the
    criminal world. This story shows Ji-woo's struggle to understand his identity while avenging his
    family, bringing a sense of tension and intrigue to each episode."/>
```

```
<Button    android:id="@+id/myname"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="10dp"
    android:layout_marginTop="10dp"
    android:layout_toRightOf="@id/imgMovie2"
    android:layout_below="@id/Deskription2"
```



```
android:text="Watch Trailer Now"
android:onClick="playMyNameTrailer"/>
```

```
<ImageView
android:id="@+id/imgMovie3"
android:layout_width="150dp"
android:layout_height="170dp"
android:layout_marginTop="400dp"
android:src="@drawable/film5"/>
```

```
<TextView
android:id="@+id/tvTitle3"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_toRightOf="@id/imgMovie3"
android:layout_marginStart="16dp"
android:layout_marginTop="400dp"
android:textSize="16sp"
android:textColor="@color/black"
android:text="SPIDERMAN : NO WAY
HOME"/>
```

```
<TextView
android:id="@+id/Deskription3"
android:layout_toRightOf="@id/imgMovie3"
android:layout_below="@id/tvTitle"
```

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginStart="16dp"
android:layout_marginTop="420dp"
android:maxLines="5"
android:textColor="@color/black"
```

android:text="Peter Parker tries to fix the mess after his Spider-Man identity is revealed and his personal life is threatened. Peter enlists the help of Doctor Strange to use magic gone wrong, opening the multiverse and bringing forth a version of Spider-Man from a parallel reality. Along with the other Spider-Men, Peter confronts villains from the past and faces serious consequences in their efforts to right those wrongs."

```
/>
```

```
<Button
```

```
android:id="@+id/spiderman"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="10dp"
android:layout_marginTop="10dp"
android:layout_toRightOf="@id/imgMovie"
3"
android:layout_below="@id/Deskription3"
android:text="Watch Trailer Now"
android:onClick="playSpidermanTrailer"
```

```
/>
```

```
</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/film2"/>
```

```
    <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="CEK TOKO SEBELAH 2"/>
```

```
    <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="The film Cek Toko Sebelah 2 continues the story of the Soleh family and their humorous conflict when they discover that the shop next door to them is about to be renovated into a hipster cafe. In his efforts to maintain a traditional shop, Soleh must face the challenges of modernization while maintaining family relationships. With a distinctive comedy flavor, this film depicts changing times and family values in a light and entertaining atmosphere."

/>

<Button

android:id="@+id/cektokosebelah"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginStart="10dp"

android:layout_marginTop="10dp"

android:layout_toRightOf="@id/imgMovie"

android:layout_below="@id/Deskripsi"

android:text="Watch Trailer Now"

android:onClick="playCektokosebelah2Traile

r"/>

```
<ImageView
android:id="@+id/imgMovie2"
android:layout_width="150dp"
android:layout_height="170dp"
android:layout_marginTop="200dp"
android:src="@drawable/film6"/>
```

```
<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="FRIENDZONE"/>
```

```
<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="The story centers on old friends, Palm and Gink, who love each other but are afraid to express their feelings. The two had a close relationship, but when Palm confessed her feelings, Gink stated that she only saw him as a friend. The film presents Palm's emotional journey in maintaining their friendship, touching on themes of unrequited love and the complexity of sibling relationships."
```

```
    />
```

```
    <Button        android:id="@+id/friendzone"
```

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

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

```
        android:layout_marginStart="10dp"
```

```
        android:layout_marginTop="10dp"
```

```
        android:layout_toRightOf="@id/imgMovie"
```

```
        android:layout_below="@id/Deskription2"
```

```
        android:text="Watch Trailer Now"
```

```
        android:onClick="playFriendzoneTrailer"/>
```

```
    <ImageView
```

```
        android:id="@+id/imgMovie3"
```

```
        android:layout_width="150dp"
```

```
        android:layout_height="170dp"
```

```
        android:layout_marginTop="400dp"
```

```
        android:src="@drawable/film7"/>
```

```
    <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="HOSPITAL PLAYLIST"/>
```

```
<TextView
```

```
android:id="@+id/Deskription3"
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="The Korean drama Hospital Playlist tells the story of five doctors who are
    friends and work together in the same hospital. They not only lead busy professional lives in the
    medical world, but also overcome challenges and joys in their personal lives. With warm humor
    and depth of character, the series provides an emotional and realistic portrait of friendship, love,
    and life in a hospital." />
```

```
<Button
```

```
android:id="@+id/hospitalplaylist"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
```

```
android:layout_marginStart="10dp"
android:layout_marginTop="10dp"
android:layout_toRightOf="@id/imgMovie"
android:layout_below="@id/Deskription3"
android:text="Watch Trailer Now"
android:onClick="playHospitalPlaylistTrailer"
```

```
/>
```

```
</RelativeLayout>
```

```
...
```

```
- `fragment_romance.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/film3"/>
```

```
    <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"
e"    android:text="20TH CENTURY
GIRL"
android:textColor="@color/black"
android:textSize="16sp" />
```

```
<TextView
```

```
android:id="@+id/Deskription"
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="Tells the story of Na Bo-ra, a student who vows to follow Baek Hyun-jin for
the sake of her sick friend. However, Bo-ra falls in love with Poong Woon-ho, Hyun-jin's best
friend. In the confusion of the love triangle, Bo-ra hides her feelings so as not to hurt her best
friend who turns out to love Woon-ho. When Woon-ho returns to New Zealand, Bo-ra and
Yeondu arrive at the train station at the right time, allowing them to confess their feelings before
going their separate ways. However, Woon-ho suddenly disappears from Bo-ra's life, leaving her
heart broken.
```

Over time, Bo-ra enters university and lives an adult life. In 2019, he received an art exhibition invitation from Joseph, Woon-ho's younger brother. Here, Bo-ra learns that Woon-ho died in an accident years ago. Joseph thanks Bo-ra for remembering his brother and reveals that Woon-ho's happiest moments were with Bo-ra. While watching the video Woon-ho made, Bo-ra reflects on the happy memories they shared.

Set in 1999 and 2019, it takes the audience on Bo-ra's emotional journey full of confusion, love, friendship and loss. This film depicts the complexity of human relationships over time, with a story that touches the heart and leaves a deep impression." />

```
<Button        android:id="@+id/centurygirl"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="10dp"
android:layout_marginTop="10dp"
android:layout_toRightOf="@id/imgMovie"
android:layout_below="@id/Deskription"
android:text="Watch Trailer Now"
android:onClick="playCenturygirlTrailer"/>
```

```
<ImageView
android:id="@+id/imgMovie2"
android:layout_width="150dp"
android:layout_height="170dp"
android:layout_marginTop="200dp"
android:src="@drawable/film8"/>
```

```
<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="CHEER UP"/>
```

```
<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="12dp"
    android:layout_marginTop="210dp"
    android:layout_toRightOf="@id/imgMovie"
    android:maxLines="5"
    android:textColor="@color/black"
```

```
    android:text="Tells the story of a group of high school students who band together to form a
cheerleading team at their school, trying to overcome academic pressure and teenage problems.
With the struggles, conflicts, and friendships that develop among the team members, they learn
to overcome life's difficulties and find strength in their unity. This story presents the dynamics of
school life full of enthusiasm, with a touch of comedy and warmth in experiencing adolescence."
/>
```

```
<Button    android:id="@+id/cheerup"
    android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:layout_marginStart="10dp"
android:layout_marginTop="10dp"
android:layout_toRightOf="@id/imgMovie"
android:layout_below="@id/Deskription2"
android:text="Watch Trailer Now"
android:onClick="playCheerupTrailer"/>
```

<ImageView

```
android:id="@+id/imgMovie3"
android:layout_width="150dp"
android:layout_height="175dp"
android:layout_marginTop="400dp"
android:src="@drawable/film9"/>
```

<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="HIDDEN LOVE"/>
```

```
<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="The storyline is about the complicated relationships among a group of close friends who grow up together and face various life trials. With secrets and conflicts emerging, they must struggle to understand and accept each other, while going on a journey to find love and identity. Through a story full of intrigue and emotion, Hidden Love reveals hidden layers of relationships and shows the journey towards maturity and understanding." />

```
<Button    android:id="@+id/hiddenlove"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="10dp"
    android:layout_marginTop="10dp"
    android:layout_toRightOf="@id/imgMovie"
    android:layout_below="@id/Deskription3"
    android:text="Watch Trailer Now"
    android:onClick="playHiddenloveTrailer"/>
</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>
```

...