MODUL 7 Menu dan Dialog



CAPAIAN PEMBELAJARAN

1. Mahasiswa dapat menggunakan menu dan Dialog.



KEBUTUHAN ALAT/BAHAN/SOFTWARE

- 1. Android Studio 3.4.
- 2. Handphone Android versi 7.0 (Nougat)
- 3. Kabel data USB.
- 4. Driver ADB.



DASAR TEORI

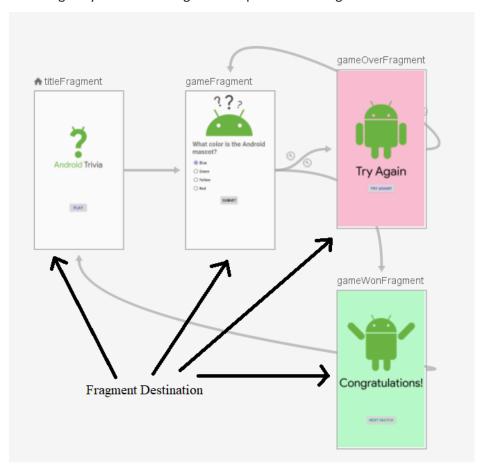
Komponen Navigasi.

Navigation Graph (resource XML baru) adalah sumber daya yang berisi semua informasi terkait navigasi di satu lokasi terpusat, termasuk semua tempat di aplikasi, yang dikenal sebagai tujuan, dan kemungkinan jalur yang dapat dilalui pengguna melalui aplikasi. NavHostFragment (Layout XML view) adalah widget khusus yang ditambahkan ke layout, yang menampilkan berbagai tujuan dari Navigation Graph. NavController (objek Kotlin / Java) adalah objek yang melacak posisi saat ini dalam Navigation Graph, yang mengatur pertukaran konten tujuan di NavHostFragment saat kita bergerak melalui Navigation Graph. Saat kita menavigasi, kita akan menggunakan objek NavController, memberi tahu ke mana kita ingin pergi atau jalur apa yang ingin kita ambil dalam Navigation Graph. NavController kemudian akan menunjukkan tujuan yang sesuai di NavHostFragment.

Destinasi Navigation Graph.

Komponen Navigasi memperkenalkan konsep destination. Destination adalah tempat apa pun yang dapat kita navigasi di aplikasi, biasanya sebuah fragment atau activity.

Navigation Graph adalah jenis sumber daya baru yang mendefinisikan semua jalur yang mungkin seorang pengguna dapat ambil melalui aplikasi. Ini menunjukkan secara visual semua tujuan yang dapat dicapai dari tujuan tertentu. Android Studio menampilkan grafik di Editor Navigasinya. Contoh Navigation Graph adalah sebagai berikut.



Mengeksplorasi Navigation Editor

- 1. Buka res/navigation/mobile_navigation.xml
- 2. Klik **Design** untuk menuju mode Design.

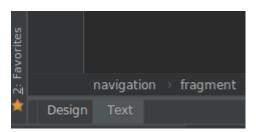
Navigation graph menunjukkan destination yang ada.



Anatomi dari file navigation XML.

Semua perubahan yang dibuat di Editor Navigasi grafis mengubah file XML yang menyertainya, mirip dengan cara Editor Layout memodifikasi layout XML.

Klik tab Text:



Akan muncul file xml berikut:

<navigation</pre>

```
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:id="@+id/navigation"
app:startDestination="@id/titleFragment">
```

<!-- ...tags for fragments and activities here -->

</navigation>

catatan:

<navigation> adalah root node dari setiap navigation graph.

<navigation> terdiri satu atau lebih destination, direpresentasikan dengan
elemen <activity> atau <fragment>.

app:startDestination adalah atribut yang menentukan destination yang dijalankan secara default ketika pengguna membuka app pertama kali.

Untuk sebuah fragment destination:

```
<fragment
    android:id="@+id/titleFragment"
    android:name=
        "com.example.android.navigation.TitleFragment"
    android:label="Intro"
    tools:layout="@layout/fragment_title">
        <action
            android:id="@+id/action_titleFragment_to_gameFragment"
            app:destination="@id/gameFragment" />
</fragment>
```

Catatan:

android:id mendefinisikan ID untuk fragmen yang dapat digunakan untuk referensi destination di tempat lain dalam XML ini dan kode kita.

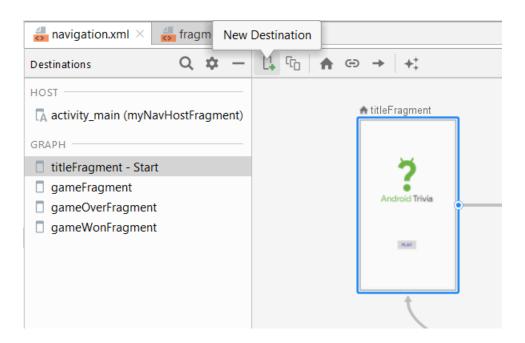
android:name mendeklarasikan nama kelas yang memenuhi syarat dari fragment untuk dipakai saat menavigasi ke destinasi tersebut.

tools:layout menentukan layout apa yang harus ditampilkan dalam editor grafis.

Menambahkan Destination ke Navigation Graph.

Aplikasi sampel dimulai dengan beberapa destination dalam grafik. Pada langkah ini, kita akan menambahkan destination baru! Kita harus menambahkan destination ke Navigation Graph sebelum dapat menavigasi ke sana.

- 1. Buka res/navigation/navigation.xml, dan klik tab Design .
- 2. Klik ikon New Destination, dan pilih "gameFragment"



Kita akan peroleh sebagai berikut.



Dengan file xml seperti berikut.

```
<fragment
    android:id="@+id/gameFragment"
    android:name="com.example.android.navigation.GameFragment"
    android:label="Game"
    tools:layout="@layout/fragment_game">
</fragment>
```

Menggunakan Navigation Graph untuk menavigasi.

Saat ini kita memiliki navigation graph yang luar biasa ini, tetapi kita sebenarnya tidak menggunakannya untuk menavigasi.

Activities dan Navigation

Komponen Navigasi mengikuti panduan yang dijabarkan dalam Prinsip Navigasi. Prinsip Navigasi merekomendasikan kita menggunakan aktivitas sebagai titik masuk untuk aplikasi kita. Aktifitas juga akan berisi navigasi global, seperti bottom nav. Sebagai perbandingan, fragment akan menjadi layout spesifik tujuan yang sebenarnya.

Agar semua ini berfungsi, kita perlu memodifikasi layout aktivitas kita untuk memuat widget khusus yang disebut NavHostFragment. NavHostFragment menukar destination fragment yang berbeda masuk dan keluar saat kita menavigasi navigation graph.



Layout sederhana yang mendukung navigasi mirip dengan gambar di atas terlihat seperti ini:

6

</LinearLayout>

Catatan:

- Ini adalah layout for an activity, berisi navigation global, termasuk sebuah bottom nav dan a toolbar
- android:name="androidx.navigation.fragment.NavHostFragment" and app:defaultN
 avHost="true" menghubungkan back button sistem ke NavHostFragment
- app:navGraph="@navigation/navigation" mengaitkan NavHostFragment dengan navigation graph. Navigation graph ini menentukan semua destination pengguna dapat menavigasi ke, di fragment NavHostFragment ini.

NavController

Akhirnya, ketika pengguna melakukan sesuatu seperti mengklik tombol, kita perlu memicu perintah navigasi. Kelas khusus yang disebut NavController adalah apa yang memicu swap fragmen di NavHostFragment.

Perhatikan bahwa kita memberikan destination ID atau action untuk menavigasi. Ini adalah ID yang ditentukan dalam navigation graph XML. Ini adalah contoh memberikan destination ID. NavController sangat powerfull karena ketika kita memanggil metode seperti navigate() atau popBackStack (), NavController menerjemahkan perintah-perintah ini ke dalam operasi framework yang sesuai berdasarkan jenis destination yang kita navigasikan ke atau dari. Misalnya, ketika kita memanggil navigate() dengan sebuah activity destination, NavController memanggil startActivity () atas nama kita. Ada beberapa cara untuk mendapatkan objek NavController yang terkait dengan NavHostFragment. Di Kotlin, disarankan untuk menggunakan salah satu fungsi ekstensi berikut, tergantung pada apakah akan memanggil perintah navigasi dari dalam sebuah fragment, activity atau view:

- Fragment.findNavController()
- View.findNavController()
- Activity.findNavController(viewId: Int)

NavController dikaitkan dengan NavHostFragment. Jadi, metode apa pun yang digunakan, kita harus yakin bahwa fragment, view, atau view ID adalah NavHostFragment itu sendiri, atau memiliki NavHostFragment sebagai induk. Kalau tidak, kita akan mendapatkan IllegalStateException.

Navigasi ke sebuah Destination dengan NavController

Kita akan bernavigasi menggunakan NavController dengan menghubungkan tombol Navigate Ke Destination untuk menavigasi ke destination action_gameFragment_to_gameWonFragment (yang merupakan tujuan adalah GameWonFragment):

- 1. Buka TittleFragment.kt
- 2. Sambungkan navigate_destination_button dalam onViewCreated()

TittleFragment.kt

```
playButton.setOnClickListener { view : View ->
    view.findNavController().
        navigate(R.id.action_titleFragment_to_gameFragment)
}
```

Jalankan app dan Navigate To Destination button. Button menavigasi ke game_fragment destination.

Kita juga dapat menggunakan metode Navigation.createNavigateOnClickListener (@IdRes destId: int, bundle: Bundle). Metode ini akan membangun OnClickListener untuk menavigasi ke tujuan yang diberikan, dengan sekumpulan argumen untuk diteruskan ke tujuan. Kodenya sebagai berikut.

Mengubah transisi Navigation.

Setiap panggilan navigate() memiliki transisi standar yang tidak terlalu menarik yang terkait dengannya, seperti terlihat di bawah:



Transisi default, serta atribut lain yang terkait dengan panggilan, dapat diganti dengan menyertakan satu set NavOptions. NavOptions menggunakan pola Builder yang memungkinkan kita mengganti dan menetapkan hanya opsi yang dibutuhkan. Ada juga ktx DSL untuk NavOptions, yang akan digunakan.

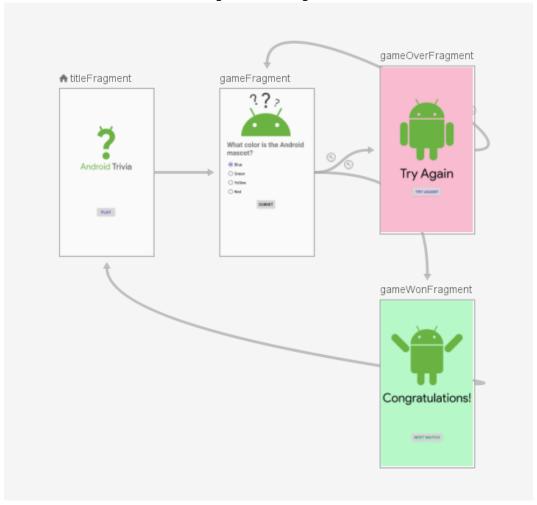
Untuk transisi animasi, kita dapat menentukan resource animation XML di folder resource anim dan kemudian menggunakan animation tersebut untuk transisi. Beberapa contoh termasuk dalam kode app:





PRAKTIK

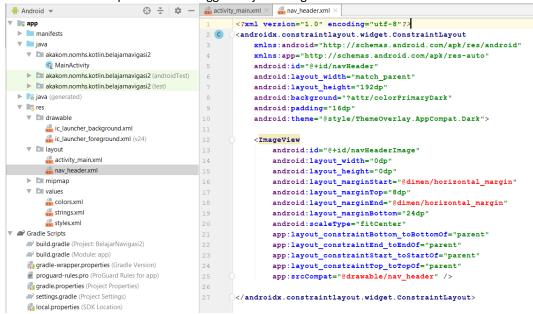
1. Kita akan membuat menu dengan desain sebagai berikut.



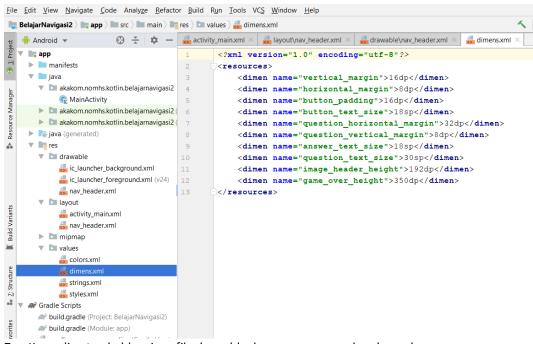
- 2. Buat project baru.
- 3. Tambahkan data binding enabled true pada build.gradle



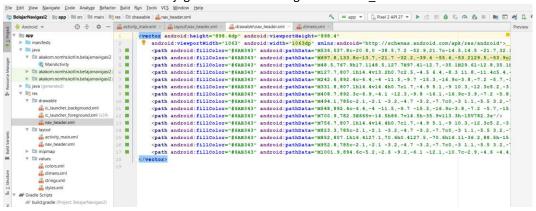
4. Tambahkan sebuah file xml pada resource layout, dengan nama **navheader.xml** dan kemudian tambahkan pada kode sehingga menjadi sebagai berikut



- 5. Perhatikan atribut yang masih berwarna merah.
- Pertama anda akan tambahkan untuk resource dimen. Buat folder dimens pada resource: res/value. Kemudian tuliskan sebagai berikut



7. Kemudian tambahkan juga file drawable dengan nama nav_header.xml.



Lengkapnya sebagai berikut

```
<vector android:height="898.4dp"
android:viewportHeight="898.4"
android:viewportWidth="1063" android:width="1063dp"
mlns:android="http://schemas.android.com/apk/res/android">
path android:fillColor="#6AB343" android:pathData="M536,537.8c-20.8,0 -
38.5,7.2 -52.9,21.7c-14.5,14.5 -21.7,32.1 -21.7,52.9c0,20.8 7.2,38.6
21.7,53.4c14.5,14.8 32.1,22.1 52.9,22.1c20.8,0 38.6,-7.4 53.4,-
22.1c14.8,-14.8 22.1,-32.5 22.1,-53.4c0,-20.8 -7.4,-38.5 -22.1,-
52.9c574.6,545.1 556.8,537.8 536,537.8z"/>
<path android:fillColor="#6AB343" android:pathData="M697.8,133.8c-
13.7,-21.7 -32.2,-39.4 -55.4,-53.2129.5,-53.9c2.3,-4.2 2.9,-9 1.6,-
13.6c-1.3,-4.7 -4.4,-8.5 -8.6,-10.91-0.2,-0.1c-8.8,-4.6 -19.7,-1.4 -
24.4,7.31-30.6,55.8c-23.2,-8.4 -48.7,-12.6 -76.4,-12.6c-26.9,0 -
51.3,4.1 -73.1,12.4L429.7,9.4c-2.3,-4.2 -6.1,-7.3 -10.8,-8.7c-4.6,-</pre>
```

```
1.3 - 9.5, -0.8 - 13.7, 1.5c - 4.3, 2.3 - 7.4, 6.2 - 8.7, 10.8c - 1.3, 4.6 - 0.8, 9.5
  1.6,13.7130,54.7c-5.3,3.5-10.5,7.4-15.4,11.5c-31.8,26.9-53.2,58.9
  -64.2,95.9199.8,41.7c5.8,-20.2 16.2,-37.2 31.2,-50.8c15,-13.6 34.1,-
  20.4 57.3,-20.4c22,0 39.6,6.2 52.9,18.7c13.3,12.5 20,27.6
  20,45.6c0,15.1 - 3.9,28.4 - 11.7,39.9c - 7.8,11.6 - 20.4,25.2 - 37.8,40.8c -
  30.1,26 -50.9,49.2 -62.5,69.4c-11.6,20.3 -17.4,44.3 -
  17.4,72v28.6h113.7v-13.9c0,-20.2 3.6,-37 10.8,-50.3c7.2,-13.3 20.7,-
  29.2 40.4,-47.7c25.5,-24.3 44.5,-47 57.3,-68.1c12.7,-21.1 19.1,-46.7
  19.1,-76.8C721.7,186.9 713.7,159 697.8,133.8z"/>
<path android:fillColor="#6AB343"</pre>
  android:pathData="M48.5,767.9h17.1148.5,127.7H97.41-12.7,-35.1H29.61-
  12.8,35.1H0L48.5,767.9zM79.4,846.21-16.9,-461-5,-13.7h-0.71-
  5.2,13.71-16.8,46H79.4z"/>
<path android:fillColor="#6AB343"</pre>
  android:pathData="M127.7,807.1h14.4v13.2h0.7c2.5,-4.5 6.4,-8.3 11.8,-
  11.4c5.4,-3.1 11.1,-4.6 17.1,-4.6c10.8,0 19.1,3.2 24.7,9.5c5.6,6.3
  8.5, 14.9 \ 8.5, 25.9 v \\ 56 h - 15 v - 53.7 c \\ 0, -15.9 \ -7.4, -23.9 \ -22.3, -23.9 c -4.8, 0
  -9,1.4 -12.8,4.1c-3.8,2.7 -6.8,6.3 -8.8,10.7c-2.1,4.4 -3.1,9 -
  3.1,13.9v48.9h-15.2V807.1z"/>
<path android:fillColor="#6AB343" android:pathData="M242.6,892.4c-6.4,-</pre>
  4 -11.5,-9.7 -15.3,-16.9c-3.8,-7.2 -5.7,-15.3 -5.7,-24.2c0,-8.9 1.9,-
  17 5.7,-24.2c3.8,-7.2 8.9,-12.8 15.3,-16.9c6.4,-4 13.4,-6.1 21.1,-
  6.1c6.9,0 13.1,1.5 18.6,4.5c5.5,3 9.6,6.8 12.3,11.3h0.7l-0.7,-12.1v-
  40.1h15v127.7h-14.3v-13.2h-0.7c-2.7,4.6 -6.8,8.5 -12.3,11.5c-5.5,3 -
  11.7,4.5 -18.6,4.5C256,898.4 249,896.4 242.6,892.4zM280.5,880.7c4.5,-
  2.7 8,-6.6 10.7,-11.7c2.7,-5.1 4,-11 4,-17.7c0,-6.8 -1.3,-12.7 -4,-
  17.8c-2.7, -5.1 -6.2, -8.9 -10.7, -11.6s-9.3, -4 -14.5, -4c-5.2, 0 -
  10.1, 1.4 - 14.5, 4.1c - 4.5, 2.7 - 8, 6.6 - 10.7, 11.7c - 2.7, 5.1 - 4, 10.9 -
  4,17.6c0,6.7 1.3,12.5 4,17.6c2.7,5.1 6.2,9 10.7,11.7c4.5,2.7 9.3,4.1
  14.5,4.1c271.2,884.7 276.1,883.4 280.5,880.7z"/>
<path android:fillColor="#6AB343"</pre>
  android:pathData="M331.8,807.1h14.4v14.4h0.7c1.7,-4.9 5.1,-9 10.3,-
  12.3c5.2,-3.3 10.3,-5 15.4,-5c3.7,0 7.1,0.6 10.3,1.8v16.2c-3.2,-1.8 -
  7.4, -2.7 -12.5, -2.7c -4.2, 0 -8.1, 1.2 -11.7, 3.7c -3.6, 2.4 -6.5, 5.7 -
  8.7, 9.7s-3.2, 8.5 -3.2, 13.2v49.4h-15.2v807.1z''/>
<path android:fillColor="#6AB343" android:pathData="M408.7,892.3c-6.9,-
  4.1 -12.3,-9.8 -16.1,-16.9c-3.9,-7.2 -5.8,-15.2 -5.8,-24c0,-8.8 1.9,-
  16.8 5.8,-24c3.9,-7.2 9.2,-12.8 16.1,-16.9c6.9,-4.1 14.7,-6.2 23.4,-
  6.2c8.7,0 16.5,2.1 23.5,6.2c7,4.1 12.4,9.8 16.2,16.9c3.9,7.2 5.8,15.2
  5.8,24c0,8.8 -1.9,16.8 -5.8,24c-3.9,7.2 -9.3,12.8 -16.2,16.9c-7,4.1 -
  14.8,6.2 -23.5,6.2C423.4,898.4 415.6,896.4
  408.7,892.3zM447,880.6c4.6,-2.7 8.4,-6.6 11.1,-11.7c2.8,-5.1 4.2,-
  10.9 \ 4.2, -17.6c0, -6.7 \ -1.4, -12.5 \ -4.2, -17.6c-2.8, -5.1 \ -6.5, -8.9 \ -
  11.1,-11.7c-4.6,-2.7 -9.6,-4.1 -15,-4.1c-5.2,0 -10.2,1.4 -14.8,4.1c-
  4.6,2.7 - 8.4,6.6 - 11.1,11.7c - 2.8,5.1 - 4.2,10.9 - 4.2,17.6c0,6.7
  1.4,12.5 4.2,17.6c2.8,5.1 6.5,9 11.1,11.7c4.6,2.7 9.6,4.1
  14.8,4.1C437.4,884.7 442.4,883.3 447,880.6z"/>
<path android:fillColor="#6AB343" android:pathData="M494.1,785c-2.1,-
  2.1 - 3.2, -4.7 - 3.2, -7.7c0, -3 1.1, -5.5 3.2, -7.7c2.1, -2.1 4.7, -3.2
  7.7, -3.2c3, 0 5.5, 1.1 7.7, 3.2s3.2, 4.7 3.2, 7.7c0, 3 -1, 5.5 -3.1, 7.7c-
  2.1,2.1 -4.7,3.2 -7.8,3.2C498.8,788.2 496.3,787.1
  494.1,785zM494.3,807.1h15v88.5h-15V807.1z"/>
<path android:fillColor="#6AB343" android:pathData="M548,892.4c-6.4,-4
  -11.5, -9.7 -15.3, -16.9c - 3.8, -7.2 -5.7, -15.3 -5.7, -24.2c0, -8.9 1.9, -17
```

```
5.7,-24.2c3.8,-7.2 8.9,-12.8 15.3,-16.9c6.4,-4 13.4,-6.1 21.1,-
   6.1c6.9,0 13.1,1.5 18.6,4.5c5.5,3 9.6,6.8 12.3,11.3h0.7l-0.7,-12.1v-
    40.1h15v127.7h-14.3v-13.2h-0.7c-2.7,4.6 -6.8,8.5 -12.3,11.5c-5.5,3 -
   11.7,4.5 -18.6,4.5C561.5,898.4 554.4,896.4
   548,892.4zM585.9,880.7c4.5,-2.7 8,-6.6 10.7,-11.7c2.7,-5.1 4,-11 4,-
   17.7c0, -6.8 -1.3, -12.7 -4, -17.8c -2.7, -5.1 -6.2, -8.9 -10.7, -11.6c -10.7, -11.6c -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7, -10.7
    4.5, -2.7 -9.3, -4 -14.5, -4c-5.2, 0 -10.1, 1.4 -14.5, 4.1c-4.5, 2.7 -8, 6.6
   -10.7, 11.7c - 2.7, 5.1 - 4, 10.9 - 4, 17.6c0, 6.7 1.3, 12.5 4, 17.6c2.7, 5.1
   6.2,9 10.7,11.7c4.5,2.7 9.3,4.1 14.5,4.1C576.6,884.7 581.5,883.4
   585.9,880.7z"/>
<path android:fillColor="#6AB343" android:pathData="M700.9,782.3H665v-
   14.5h86.7v14.5h-35.9v113.3h-15V782.3z"/>
<path android:fillColor="#6AB343"</pre>
   android:pathData="M756.7,807.1h14.4v14.4h0.7c1.7,-4.9 5.1,-9 10.3,-
   12.3c5.2, -3.3 10.3, -5 15.4, -5c3.7, 0 7.1, 0.6 10.3, 1.8v16.2c-3.2, -1.8 -
   7.4, -2.7 -12.5, -2.7c -4.2, 0 -8.1, 1.2 -11.7, 3.7c -3.6, 2.4 -6.5, 5.7 -
   8.7, 9.7s-3.2, 8.5 -3.2, 13.2v49.4h-15.2v807.1z"/>
<path android:fillColor="#6AB343" android:pathData="M823.3,785c-2.1,-
   2.1 - 3.2, -4.7 - 3.2, -7.7c0, -3 1.1, -5.5 3.2, -7.7c2.1, -2.1 4.7, -3.2
   7.7, -3.2c3, 0 5.5, 1.1 7.7, 3.2s3.2, 4.7 3.2, 7.7c0, 3 -1, 5.5 -3.1, 7.7c-
   2.1,2.1 -4.7,3.2 -7.8,3.2C828,788.2 825.4,787.1
   823.3,785zM823.5,807.1h15v88.5h-15V807.1z"/>
<path android:fillColor="#6AB343"</pre>
   android: pathData="M852,807.1h16.4127.1,70.6h0.4127.5,-70.6h16.11-
   36.2,88.5h-15.3L852,807.1z"/>
<path android:fillColor="#6AB343" android:pathData="M952.8,785c-2.1,-
   2.1 \ -3.2, -4.7 \ -3.2, -7.7c0, -3 \ 1.1, -5.5 \ 3.2, -7.7c2.1, -2.1 \ 4.7, -3.2
   7.7, -3.2c3, 0 5.5, 1.1 7.7, 3.2s3.2, 4.7 3.2, 7.7c0, 3 -1, 5.5 -3.1, 7.7c
   2.1,2.1 -4.7,3.2 -7.8,3.2C957.5,788.2 954.9,787.1
   952.8,785zM953,807.1h15v88.5h-15V807.1z"/>
<path android:fillColor="#6AB343" android:pathData="M1001.9,894.6c-
   5.2, -2.6 -9.2, -6.1 -12.1, -10.7c -2.9, -4.6 -4.4, -9.7 -4.4, -15.4c0, -9.4
   3.5,-16.7 10.6,-21.9c7.1,-5.2 16.1,-7.8 27.2,-7.8c5.5,0 10.4,0.6
   14.8, 1.8c4.4, 1.2 7.9, 2.5 10.5, 3.9v-4.6c0, -4.3 -1.1, -8.1 -3.3, -11.5c-
   2.2, -3.4 -5.1, -6 -8.8, -7.8c -3.7, -1.8 -7.7, -2.8 -12, -2.8c -10.1, 0 -
   17.8, 4.1 - 23.2, 12.31 - 12.7, -8.4c3.7, -5.5 8.6, -9.7 14.6, -12.8c6.1, -3
   12.9,-4.5 20.5,-4.5c12.1,0 21.7,3.3 28.7,9.8c7,6.5 10.5,15.3
   10.5,26.4v55.1h-14.4v-13h-0.7c-2.9,4.5-6.7,8.3-11.6,11.3c-4.9,3-
   10.5,4.5 -16.9,4.5C1012.9,898.4 1007.1,897.2
   1001.9,894.6zM1034.1,881.3c4.3,-2.5 7.8,-5.9 10.4,-10.2c2.7,-4.3 4,-
   8.9\ 4,-13.9c-6.7,-4.3\ -14.3,-6.4\ -23,-6.4c-7.5,0\ -13.5,1.7\ -
   17.9,5.1c-4.5,3.4-6.7,7.7-6.7,12.9c0,4.8 2,8.7 5.9,11.7c3.9,3
   8.5,4.5 13.7,4.5C1025.3,885.1 1029.9,883.8 1034.1,881.3z"/>
</re>
```

8. Buat sebuah file **navdrawer_menu.xml** pada folder resource **menu** (jika menu belum ada, dibuat terlebih dulu). Anda masih membutuhkan file **rules.xml** dan **about_android_trivia.xml** pada resource **drawable**.

```
<u>File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help</u>

✓ app ▼

| BelajarNavigasi2 ⟩ | app ⟩ | src ⟩ | main ⟩ | gres ⟩ | menu ⟩ | navdrawer_menu.xml
                 🔻 📭 арр
                                             <exml version="1.0" encoding="utf-8"?>
                                             <menu xmlns:app="http://schemas.android.com/apk/res-auto"</pre>
    ▼ 🖿 java
                                                xmlns:android="http://schemas.android.com/apk/res/android">
      akakom.nomhs.kotlin.belajarnavigasi2
           MainActivity
    akakom.nomhs.kotlin.belajarnavigasi2 ( 6
                                                     android:id="@+id/rulesFragment"
    akakom.nomhs.kotlin.belajarnavigasi2 (
                                                     android:icon="@drawable/rules"
                                                     android:title="Rules" />
    ▼ 📭 res
      drawable
                                                     android:id="@+id/aboutFragment"
      layout
                                                     android:icon="@drawable/about_android_trivia"
       ▼ 🖿 menu
                                                     android:title="About" />
         navdrawer_menu.xml
                                            </menu>
       ► 🖿 mipmap
      ▶ □ values
   Gradle Scripts
      w build.gradle (Project: BelajarNavigasi2)
      w build.gradle (Module: app)
```

9. Berikut kedua file tersebut



rules.xml

```
<vector xmlns:android="http://schemas.android.com/apk/res/android"
    android:width="24dp"
    android:height="24dp"
    android:viewportWidth="24.0"
    android:viewportHeight="24.0">
        <path
            android:fillColor="#FF000000"
            android:pathData="M15,15L3,15v2h12v-
2zM15,7L3,7v2h12L15,7zM3,13h18v-2L3,11v2zM3,21h18v-
2L3,19v2zM3,3v2h18L21,3L3,3z" />
</vector>
```

about_android_trivia.xml

```
10.6, -15.5 10.6, -25.5s-3.5, -18.4 -10.6, -25.3c274.1, 260 265.6, 256.5
   255.6,256.5z"/>
<path android:fillColor="#6AB343" android:pathData="M332.8,63.8c-6.6,-
   10.4 - 15.4, -18.8 - 26.4, -25.4114.1, -25.7c1.1, -2 1.4, -4.3 0.7, -6.5c-
   0.6, -2.2 -2.1, -4.1 -4.1, -5.2L317,1c-4.2, -2.2 -9.4, -0.7 -11.6, 3.51-
   14.6,26.6c-11.1,-4 -23.2,-6 -36.4,-6c-12.8,0 -24.5,2 -
   34.9,5.9L205,4.5c-1.1,-2 -2.9,-3.5 -5.1,-4.1c-2.2,-0.6 -4.5,-0.4 -
   6.5, 0.7c-2, 1.1 -3.5, 2.9 -4.2, 5.2c-0.6, 2.2 -0.4, 4.5
   0.7, 6.5114.3, 26.1c-2.5, 1.7 -5, 3.5 -7.3, 5.5c-15.2, 12.8 -25.4, 28.1 -
   30.6,45.7147.6,19.9c2.8,-9.7 7.7,-17.7 14.9,-24.2c235.9,79.3 245,76
   256,76c10.5,0 18.9,3 25.3,8.9c6.3,5.9 9.5,13.2 9.5,21.7c0,7.2 -
   1.9,13.5 -5.6,19c -3.7,5.5 -9.7,12 -18,19.5c -14.4,12.4 -24.3,23.5 -
   29.8,33.1c-5.5,9.7 -8.3,21.1 -8.3,34.4v13.7h54.2v-6.6c0,-9.7 1.7,-
   17.7 5.2,-24c3.4,-6.3 9.9,-13.9 19.2,-22.8c12.1,-11.6 21.2,-22.4
   27.3,-32.5c6.1,-10.1 9.1,-22.3 9.1,-36.6C344.2,89.2 340.4,75.8
   332.8,63.8z"/>
        <path android:fillColor="#6AB343"</pre>
   android:pathData="M23.1,366.2h8.2l23.1,60.9h-8l-6,-
   16.8H14.1L8,427.2H0L23.1,366.2zM37.9,403.61-8.1,-221-2.4,-6.6h-0.31-
   2.5, 6.61-8, 22H37.9z''/>
        <path android:fillColor="#6AB343"</pre>
   android:pathData="M60.9,385h6.9v6.3h0.3c1.2,-2.2 3.1,-4 5.6,-
   5.4c2.6,-1.5 5.3,-2.2 8.2,-2.2c5.2,0 9.1,1.5 11.8,4.5c2.7,3 4,7.1
   4,12.3v26.7h-7.1v-25.6c0,-7.6 -3.5,-11.4 -10.6,-11.4c-2.3,0 -4.3,0.7
   -6.1,2c-1.8,1.3 -3.2,3 -4.2,5.1c-1,2.1 -1.5,4.3 -1.5,6.6v23.3h-1.5
   7.2V385z"/>
        <path android:fillColor="#6AB343"</pre>
   android:pathData="M115.7,425.6c-3.1,-1.9 -5.5,-4.6 -7.3,-8c-1.8,-3.4
   -2.7, -7.3 -2.7, -11.5c0, -4.3 0.9, -8.1 2.7, -11.5c1.8, -3.4 4.3, -6.1
   7.3, -8c3.1, -1.9 6.4, -2.9 10, -2.9c3.3, 0 6.2, 0.7 8.8, 2.2c2.6, 1.4
   4.6,3.2 5.9,5.4h0.31-0.3,-5.8v-19.1h7.1v60.9h-6.8v-6.3h-0.3c-1.3,2.2
   -3.3,4 -5.9,5.5c-2.6,1.4 -5.6,2.2 -8.8,2.2c122.1,428.5 118.8,427.6
   115.7,425.6zM133.8,420.1c2.1,-1.3 3.8,-3.1 5.1,-5.6c1.3,-2.4 1.9,-
   5.2\ 1.9, -8.4c0, -3.2\ -0.6, -6.1\ -1.9, -8.5c-1.3, -2.4\ -3, -4.3\ -5.1, -
   5.5c-2.1,-1.3 -4.4,-1.9 -6.9,-1.9c-2.5,0 -4.8,0.7 -6.9,2c-2.1,1.3 -
   3.8, 3.2 - 5.1, 5.6c - 1.3, 2.4 - 1.9, 5.2 - 1.9, 8.4s 0.6, 6 1.9, 8.4c 1.3, 2.4
   3, 4.3 \ 5.1, 5.6 \\ c2.1, 1.3 \ 4.4, 2 \ 6.9, 2 \\ c129.4, 422 \ 131.7, 421.3
   133.8,420.1z"/>
        <path android:fillColor="#6AB343"</pre>
   android:pathData="M158.3,385h6.9v6.9h0.3c0.8,-2.3 2.4,-4.3 4.9,-
   5.9c2.5, -1.6 4.9, -2.4 7.4, -2.4c1.8, 0 3.4, 0.3 4.9, 0.9v7.7c-1.5, -0.9 -
   3.5,-1.3 -6,-1.3c-2,0 -3.8,0.6 -5.6,1.7c-1.7,1.2 -3.1,2.7 -4.1,4.6c-
   1,1.9 -1.5,4 -1.5,6.3v23.5h-7.2v385z"/>
        <path android:fillColor="#6AB343"</pre>
   android:pathData="M194.9,425.6c-3.3,-2 -5.9,-4.7 -7.7,-8.1c-1.8,-3.4
   -2.8, -7.2 -2.8, -11.4c0, -4.2 0.9, -8 2.8, -11.4c1.8, -3.4 4.4, -6.1 7.7, -3.4
   8.1c3.3, -2.7, -2.9.11.1, -2.9c4.1, 0.7.9, 1.11.2, 2.9c3.3, 2.5.9, 4.7
   7.7, 8.1c1.8, 3.4 2.8, 7.2 2.8, 11.4c0, 4.2 -0.9, 8 -2.8, 11.4c-1.8, 3.4 -
   4.4,6.1 -7.7,8.1c-3.3,2 -7,2.9 -11.2,2.9C201.9,428.5 198.2,427.5
   194.9,425.6zM213.2,420c2.2,-1.3 4,-3.2 5.3,-5.6c1.3,-2.4 2,-5.2 2,-
   8.4s-0.7, -6 -2, -8.4c-1.3, -2.4 -3.1, -4.3 -5.3, -5.6c-2.2, -1.3 -4.6, -2
   -7.1, -2c-2.5, 0 -4.9, 0.7 -7.1, 2c-2.2, 1.3 -4, 3.2 -5.3, 5.6c-1.3, 2.4 -
   2,5.2 -2,8.4s0.7,6 2,8.4c1.3,2.4 3.1,4.3 5.3,5.6c2.2,1.3 4.6,2
   7.1,2C208.6,422 211,421.3 213.2,420z"/>
```

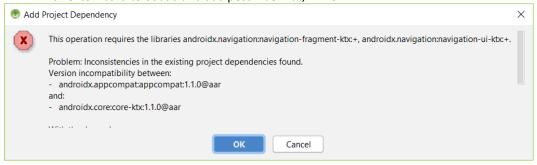
```
<path android:fillColor="#6AB343"</pre>
android:pathData="M235.7,374.4c-1,-1 -1.5,-2.2 -1.5,-3.7c0,-1.4
0.5, -2.6 1.5, -3.7c1, -1 2.2, -1.5 3.7, -1.5c1.4, 0 2.6, 0.5 3.7, 1.5c1, 1
1.5,2.2 1.5,3.7c0,1.4 -0.5,2.6 -1.5,3.7c-1,1 -2.2,1.5 -
3.7,1.5C237.9,375.9 236.7,375.4 235.7,374.4zM235.8,385h7.1v42.2h-
7.1V385z"/>
    <path android:fillColor="#6AB343"</pre>
android:pathData="M261.4,425.6c-3.1,-1.9 -5.5,-4.6 -7.3,-8c-1.8,-3.4
-2.7, -7.3 -2.7, -11.5c0, -4.3 0.9, -8.1 2.7, -11.5c1.8, -3.4 4.3, -6.1
7.3, -8c3.1, -1.9 \ 6.4, -2.9 \ 10, -2.9c3.3, 0 \ 6.2, 0.7 \ 8.8, 2.2c2.6, 1.4
4.6,3.2 5.9,5.4h0.3l-0.3,-5.8v-19.1h7.1v60.9h-6.8v-6.3h-0.3c-1.3,2.2
-3.3,4 -5.9,5.5c-2.6,1.4 -5.6,2.2 -8.8,2.2c267.8,428.5 264.5,427.6
261.4,425.6zM279.5,420.1c2.1,-1.3 3.8,-3.1 5.1,-5.6c1.3,-2.4 1.9,-
5.2 1.9,-8.4c0,-3.2 -0.6,-6.1 -1.9,-8.5c-1.3,-2.4 -3,-4.3 -5.1,-
5.5s-4.4,-1.9 -6.9,-1.9s-4.8,0.7 -6.9,2c-2.1,1.3 -3.8,3.2 -5.1,5.6c-
1.3,2.4 -1.9,5.2 -1.9,8.4s0.6,6 1.9,8.4c1.3,2.4 3,4.3
5.1,5.6c2.1,1.3 4.4,2 6.9,2S277.3,421.3 279.5,420.1z"/>
    <path android:fillColor="#424242"</pre>
android:pathData="M334.3,373.1h-17.1v-6.9h41.4v6.9h-17.1v54h-
7.1V373.1z"/>
    <path android:fillColor="#424242"</pre>
android:pathData="M360.9,385h6.9v6.9h0.3c0.8,-2.3 2.4,-4.3 4.9,-
5.9c2.5, -1.6 4.9, -2.4 7.4, -2.4c1.8, 0 3.4, 0.3 4.9, 0.9v7.7c-1.5, -0.9 -
3.5, -1.3 -6, -1.3c-2, 0 -3.8, 0.6 -5.6, 1.7c-1.7, 1.2 -3.1, 2.7 -4.1, 4.6c-
1,1.9 -1.5,4 -1.5,6.3v23.5h-7.2V385z"/>
    <path android:fillColor="#424242"</pre>
android:pathData="M392.7,374.4c-1,-1 -1.5,-2.2 -1.5,-3.7c0,-1.4
0.5, -2.6 1.5, -3.7c1, -1 2.2, -1.5 3.7, -1.5c1.4, 0 2.6, 0.5 3.7, 1.5c1, 1
1.5,2.2 1.5,3.7c0,1.4 -0.5,2.6 -1.5,3.7c-1,1 -2.2,1.5 -
3.7, 1.5C394.9,375.9 393.7,375.4 392.7,374.4zM392.8,385h7.1v42.2h-
7.1V385z"/>
    <path android:fillColor="#424242"</pre>
android:pathData="M406.4,385h7.8112.9,33.7h0.2113.1,-33.7h7.71-
17.3,42.2h-7.3L406.4,385z"/>
    <path android:fillColor="#424242"</pre>
android:pathData="M454.5,374.4c-1,-1 -1.5,-2.2 -1.5,-3.7c0,-1.4
0.5, -2.6 1.5, -3.7c1, -1 2.2, -1.5 3.7, -1.5c1.4, 0 2.6, 0.5 3.7, 1.5c1, 1
1.5, 2.2 \ 1.5, 3.7c0, 1.4 \ -0.5, 2.6 \ -1.5, 3.7c-1, 1 \ -2.2, 1.5 \ -
3.7,1.5C456.7,375.9 455.5,375.4 454.5,374.4zM454.5,385h7.1v42.2h-
7.1V385z"/>
    <path android:fillColor="#424242"</pre>
android:pathData="M477.9,426.7c-2.5,-1.2 -4.4,-2.9 -5.8,-5.1c-1.4,-
2.2 - 2.1, -4.6 - 2.1, -7.4c0, -4.5 1.7, -8 5.1, -10.5c3.4, -2.5 7.7, -3.7
13, -3.7c2.6, 0 5, 0.3 7.1, 0.9c2.1, 0.6 3.8, 1.2 5, 1.9v-2.2c0, -2 -0.5, -
3.9 - 1.6, -5.5c - 1.1, -1.6 - 2.5, -2.9 - 4.2, -3.7c - 1.8, -0.9 - 3.7, -1.3 -
5.7,-1.3c-4.8,0 -8.5,2 -11.1,5.91-6,-4c1.8,-2.6 4.1,-4.6 7,-
6.1c2.9, -1.4 6.2, -2.2 9.8, -2.2c5.8, 0 10.4, 1.6 13.7, 4.7c3.3, 3.1 5, 7.3
5,12.6v26.3h-6.9V421h-0.3c-1.4,2.2 -3.2,4 -5.5,5.4c-2.3,1.4 -5,2.2 -
8.1,2.2S480.4,427.9 477.9,426.7zM493.3,420.4c2,-1.2 3.7,-2.8 5,-
4.9s1.9, -4.3 1.9, -6.6c-3.2, -2 -6.8, -3.1 -11, -3.1c-3.6, 0 -6.4, 0.8 -
8.6, 2.4c-2.1, 1.6-3.2, 3.7-3.2, 6.2c0, 2.30.9, 4.12.8, 5.6c1.9, 1.4
4.1,2.2 6.6,2.2C489.1,422.1 491.2,421.6 493.3,420.4z"/>
```

<path android:fillColor="#424242"</pre>

android:pathData="M162.7,472.7h8.2123.1,60.9h-81-6,-16.8h-26.31-

```
6.1, 16.8h-8L162.7, 472.7zM177.4, 510.11-8.1, -221-2.4, -6.6h-0.31-
2.5, 6.61-8, 22H177.4z''/>
    <path android:fillColor="#424242"</pre>
android:pathData="M213.5,532.9c-2.6,-1.4 -4.5,-3.3 -5.8,-5.5h-
0.3v6.3h-6.9v-60.9h7.2v19.11-0.3,5.8h0.3c1.4,-2.2 3.3,-4 5.9,-10.3v6.3h-6.9v-60.9h7.2v19.11-0.3,5.8h0.3c1.4,-2.2
5.4c2.6,-1.4 5.5,-2.2 8.8,-2.2c3.6,0 7,1 10,2.9c3.1,2 5.5,4.6
7.3,8c1.8,3.4 2.7,7.2 2.7,11.5c0,4.3 -0.9,8.1 -2.7,11.5c-1.8,3.4 -
4.3,6.1 - 7.3,8c - 3.1,2 - 6.4,2.9 - 10,2.9c219.1,535 216.1,534.3
213.5,532.9zM228.2,526.5c2.1,-1.3 3.8,-3.2 5.1,-5.6c1.3,-2.4 1.9,-
5.2\ 1.9, -8.4c0, -3.2\ -0.6, -6\ -1.9, -8.4c-1.3, -2.4\ -3, -4.3\ -5.1, -5.6c-
2.1,-1.3 -4.4,-2 -6.9,-2c-2.5,0 -4.8,0.6 -6.9,1.9c-2.1,1.3 -3.8,3.1
-5.1,5.5c-1.3,2.4 -1.9,5.2 -1.9,8.5c0,3.2 0.6,6 1.9,8.4c1.3,2.4
3,4.3 5.1,5.6c2.1,1.3 4.4,1.9 6.9,1.9C223.8,528.5 226.1,527.8
228.2,526.5z"/>
    <path android:fillColor="#424242"</pre>
android:pathData="M258.8,532.1c-3.3,-2 -5.9,-4.7 -7.7,-8.1c-1.8,-3.4
-2.8, -7.2 -2.8, -11.4c0, -4.2 0.9, -8 2.8, -11.4c1.8, -3.4 4.4, -6.1 7.7, -9.4
8.1c3.3,-2 7,-2.9 11.1,-2.9c4.1,0 7.9,1 11.2,2.9s5.9,4.7
7.7, 8.1c1.8, 3.4 2.8, 7.2 2.8, 11.4c0, 4.2 -0.9, 8 -2.8, 11.4c-1.8, 3.4 -
4.4,6.1 -7.7,8.1s-7,2.9 -11.2,2.9C265.8,535 262,534
258.8,532.1zM277,526.5c2.2,-1.3 4,-3.2 5.3,-5.6c1.3,-2.4 2,-5.2 2,-
8.4c0, -3.2 -0.7, -6 -2, -8.4c -1.3, -2.4 -3.1, -4.3 -5.3, -5.6c -2.2, -1.3 -
4.6, -2 -7.1, -2c-2.5, 0 -4.9, 0.7 -7.1, 2c-2.2, 1.3 -4, 3.2 -5.3, 5.6c-
1.3,2.4 -2,5.2 -2,8.4c0,3.2 0.7,6 2,8.4c1.3,2.4 3.1,4.3
5.3,5.6c2.2,1.3 4.6,2 7.1,2C272.5,528.5 274.8,527.8 277,526.5z"/>
    <path android:fillColor="#424242" android:pathData="M303,530.5c-
2.7,-3 -4,-7.2 -4,-12.5v-26.5h7.2v25.4c0,7.8 3.5,11.7
10.5,11.7c2.3,0 4.4,-0.7 6.3,-2c1.8,-1.3 3.3,-3 4.3,-5.1c1,-2.1
1.5, -4.3 1.5, -6.6v-23.3h7.1v42.2H329v-6.3h-0.3c-1.2,2.2 -3.1,4 -
5.7,5.4c-2.5,1.5 -5.2,2.2 -8.1,2.2C309.7,535 305.7,533.5
303,530.5z"/>
    <path android:fillColor="#424242"</pre>
android:pathData="M358.4,534.2c-1.4,-0.6 -2.7,-1.4 -3.7,-2.3c-1.1,-
1.1 - 2, -2.4 - 2.5, -3.9c - 0.5, -1.5 - 0.8, -3.2 - 0.8, -5.2V498h - 7.5v -
6.6h7.5v-12.6h7.1v12.6h10.4v6.6h-10.4v23c0,2.4 0.5,4.2 1.4,5.4c1,1.3
2.4,1.9 4.4,1.9c1.8,0 3.3,-0.4 4.6,-1.2v7c-0.9,0.3 -1.8,0.6 -
2.6,0.7c-0.8,0.1 -1.9,0.2 -3.3,0.2C361.5,535 359.9,534.7
358.4,534.2z"/>
</re>
```

10. Tambahkan direktori **navigation** pada resource file. Kemudian buat sebuah file **navigation.xml** pada direktori baru tersebut. Jika ada pesan berikut, klik OK



11. Tulislah kode pada file **navigation.xml** menjadi seperti berikut.

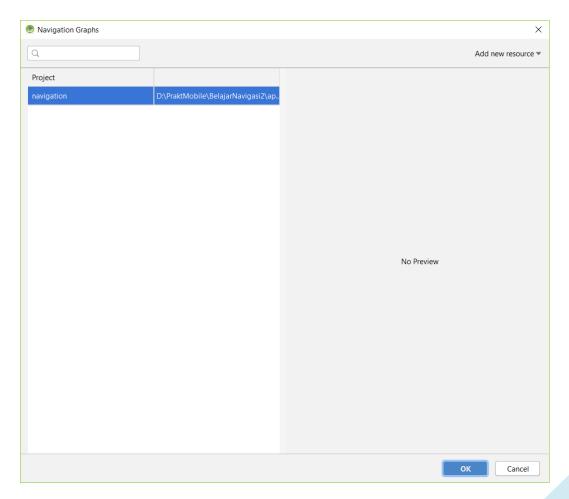
```
<?xml version="1.0" encoding="utf-8"?>
<navigation</pre>
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:id="@+id/navigation"
app:startDestination="@id/titleFragment">
<fragment</pre>
    android:id="@+id/titleFragment"
    android: name="com.latihan.darmanto.modul7.TitleFragment"
    android:label="Intro"
    tools:layout="@layout/fragment title">
    <action
android:id="@+id/action titleFragment to gameFragment"
        app:destination="@id/gameFragment" />
</fragment>
<fragment</pre>
    android:id="@+id/gameFragment"
    android: name="com.latihan.darmanto.modul7.GameFragment"
    android: label="Game"
    tools:layout="@layout/fragment game">
    <action
android:id="@+id/action gameFragment to gameOverFragment"
        app:destination="@id/gameOverFragment"
        app:popUpTo="@+id/gameFragment"
        app:popUpToInclusive="true" />
    <action
android:id="@+id/action gameFragment to gameWonFragment"
        app:destination="@id/gameWonFragment"
        app:popUpTo="@+id/gameFragment"
        app:popUpToInclusive="true" />
</fragment>
<fragment</pre>
    android:id="@+id/gameOverFragment"
android: name="com.latihan.darmanto.modul7.GameOverFragment"
    android: label = "Game Failed"
    tools:layout="@layout/fragment game over">
    <action
android:id="@+id/action gameOverFragment to gameFragment"
        app:destination="@id/gameFragment"
```

```
app:popUpTo="@+id/titleFragment"
    app:popUpToInclusive="false" />
</fragment>
<fragment
    android:id="@+id/gameWonFragment"

android:name="com.latihan.darmanto.modul7.GameWonFragment"
    android:label="Game Won"
    tools:layout="@layout/fragment_game_won">
        <action

android:id="@+id/action_gameWonFragment_to_titleFragment"
        app:destination="@+id/titleFragment"
        app:popUpTo="@+id/titleFragment"
        app:popUpToInclusive="false" />
</fragment>
</navigation>
```

12. Kemudian, kembali ke **activity_main.xml**. Tambahkan **NavHostFragment**. Akan muncul layar berikut, klik OK



- 13. Tambahkan juga NavigationView.
- 14. Pindahlah ke Text mode dan ubahlah kodenya sehingga menjadi sebaga berikut

```
<?xml version="1.0" encoding="utf-8"?>
<layout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto">
    <androidx.drawerlayout.widget.DrawerLayout</pre>
        android:id="@+id/drawerLayout"
        android:layout width="match parent"
        android:layout_height="match_parent">
        <LinearLayout</pre>
            android:layout width="match parent"
            android: layout height="match parent"
            android: orientation="vertical">
            <fragment</pre>
                 android: id="@+id/myNavHostFragment"
                 android: name=
                 "androidx.navigation.fragment.NavHostFragment"
                 android:layout width="match parent"
                 android: layout height="match parent"
                 app:defaultNavHost="true"
                app:navGraph="@navigation/navigation" />
        </LinearLayout>
        <com.google.android.material.navigation.NavigationView</pre>
            android:id="@+id/navView"
            android:layout_width="wrap_content"
            android:layout height="match parent"
            android:layout gravity="start"
            app:headerLayout="@layout/nav header"
            app:menu="@menu/navdrawer menu" />
    </androidx.drawerlayout.widget.DrawerLayout>
</layout>
```

15. Ubahlah resource string menjadi sebagai berikut

16. Kemudian buatlah empat buah fragment sebagai berikut

fragment_tittle.xml

```
<?xml version="1.0" encoding="utf-8"?>
<layout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    tools:context="com.example.android.navigation.TitleFragment">
    <androidx.constraintlayout.widget.ConstraintLayout</pre>
        android:id="@+id/titleConstraint"
        android: layout width="match parent"
        android:layout height="match parent">
        <Button
            android:id="@+id/playButton"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout marginStart="@dimen/horizontal margin"
            android:layout marginEnd="@dimen/horizontal margin"
            android:paddingStart="@dimen/button padding"
            android:paddingEnd="@dimen/button padding"
            android: text="Play"
            android:textColor="@color/colorAccent"
            android:textSize="@dimen/button_text_size"
            android: textStyle="bold"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout constraintEnd toEndOf="parent"
            app:layout constraintStart toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/titleImage" />
        <ImageView</pre>
            android:id="@+id/titleImage"
            android:layout width="0dp"
            android:layout height="@dimen/image header height"
            android: layout marginStart="@dimen/horizontal margin"
            android:layout marginEnd="@dimen/horizontal margin"
            android:scaleType="fitCenter"
            app:layout constraintBottom toTopOf="@+id/playButton"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintHorizontal_bias="1.0"
            app:layout constraintStart toStartOf="parent"
            app:layout constraintTop toTopOf="parent"
            app:srcCompat="@drawable/android trivia" />
    </androidx.constraintlayout.widget.ConstraintLayout>
</layout>
```

fragment_game.xml

```
tools:context="com.example.android.navigation.InGame">
<ScrollView
    android:layout width="match parent"
    android:layout height="match parent"
    android:fillViewport="true">
    <androidx.constraintlayout.widget.ConstraintLayout</pre>
        android:id="@+id/frameLayout"
        android:layout width="match parent"
        android:layout height="wrap content">
        <Button
            android: id="@+id/submitButton"
            android:layout width="wrap content"
            android:layout_height="wrap_content"
            android:layout marginStart=
                  "@dimen/question horizontal margin"
            android:layout marginTop="@dimen/vertical margin"
            android:layout marginEnd=
                  "@dimen/question horizontal margin"
            android:text="@string/submit button"
            android:textSize="@dimen/button text size"
            app:layout constraintEnd toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout constraintTop toBottomOf=
                  "@+id/questionRadioGroup" />
        <ImageView</pre>
            android:id="@+id/questionImage"
            android: layout width="0dp"
            android:layout height="@dimen/image header height"
            android: layout marginStart="@dimen/horizontal margin"
            android:layout marginTop="@dimen/vertical margin"
            android: layout marginEnd="@dimen/horizontal margin"
            android:layout marginBottom="@dimen/vertical margin"
            android:scaleType="fitCenter"
            app:layout constraintBottom toTopOf="@+id/questionText"
            app:layout constraintEnd toEndOf="parent"
            app:layout constraintStart toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            app:layout constraintVertical chainStyle="packed"
            app:srcCompat="@drawable/android category simple" />
        < Radio Group
            android:id="@+id/questionRadioGroup"
            android: layout width="0dp"
            android:layout height="wrap content"
            android:layout marginStart=
                  "@dimen/question_horizontal_margin"
            android:layout marginTop="@dimen/vertical margin"
            android:layout_marginEnd=
                  "@dimen/question horizontal margin"
            android:animateLayoutChanges="true"
```

```
android:orientation="vertical"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toBottomOf=
          "@+id/questionText">
    < Radio Button
        android:id="@+id/firstAnswerRadioButton"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout marginBottom=
          "@dimen/question vertical margin"
        android: checked="true"
        android: text="Blue"
        android:textSize="@dimen/answer text size" />
    < Radio Button
        android:id="@+id/secondAnswerRadioButton"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout marginBottom=
          "@dimen/question vertical margin"
        android:text="Green"
        android:textSize="@dimen/answer text size" />
    < Radio Button
        android:id="@+id/thirdAnswerRadioButton"
        android:layout width="match parent"
        android: layout_height="wrap_content"
        android:layout marginBottom=
          "@dimen/question vertical margin"
        android:text="Yellow"
        android:textSize="@dimen/answer text size" />
    <RadioButton
        android:id="@+id/fourthAnswerRadioButton"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android: text="Red"
        android:textSize="@dimen/answer text size" />
</RadioGroup>
<TextView
    android:id="@+id/questionText"
    android:layout width="0dp"
    android: layout height="wrap content"
    android:layout marginStart=
          "@dimen/question horizontal margin"
    android:layout_marginTop="@dimen/vertical_margin"
    android:layout marginEnd=
          "@dimen/question horizontal margin"
    android:layout_marginBottom="@dimen/vertical_margin"
    android: fontFamily="sans-serif"
    android:text="What color is the Android mascot?"
```

fragment_game_over.xml

```
<?xml version="1.0" encoding="utf-8"?>
<layout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    tools:context="com.example.android.navigation.GameOverFragment">
    <androidx.constraintlayout.widget.ConstraintLayout</pre>
        android:id="@+id/gameOverConstraintLayout"
        android:layout width="match parent"
        android:layout height="match parent"
        android:background="@color/gameOverBackground">
        <ImageView</pre>
            android:id="@+id/gameOverFragment"
            android:layout width="wrap content"
            android:layout height="362dp"
            android: layout marginStart="@dimen/horizontal margin"
            android:layout marginEnd="@dimen/horizontal margin"
            android:layout marginBottom="8dp"
            android:scaleType="fitCenter"
            app:layout constraintBottom toTopOf="@+id/tryAgainButton"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            app:layout constraintVertical chainStyle="packed"
            app:srcCompat="@drawable/try again" />
        <Button
            android: id="@+id/tryAgainButton"
            android:layout_width="wrap_content"
            android:layout height="wrap content"
            android:layout marginStart="@dimen/vertical margin"
            android:layout marginTop="@dimen/vertical margin"
            android:layout marginEnd="@dimen/vertical margin"
            android:layout marginBottom="8dp"
            android:paddingStart="@dimen/button padding"
            android:paddingEnd="@dimen/button padding"
            android:text="@string/try again"
            android:textColor="?colorAccent"
```

```
android:textSize="@dimen/button_text_size"
android:textStyle="bold"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/gameOverFragment"
/>
</androidx.constraintlayout.widget.ConstraintLayout>
</layout>
```

fragment_game_won.xml

```
<?xml version="1.0" encoding="utf-8"?>
<layout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    tools:context="com.example.android.navigation.GameWonFragment">
    <androidx.constraintlayout.widget.ConstraintLayout</pre>
        android:id="@+id/gameWonConstraintLayout"
        android:layout width="match parent"
        android:layout height="match parent"
        android:background="@color/youWinBackground">
        <Button
            android: id="@+id/nextMatchButton"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:paddingStart="@dimen/button padding"
            android:paddingEnd="@dimen/button padding"
            android: text="Next Match"
            android:textColor="@color/youWinDark"
            android:textSize="@dimen/button_text_size"
            android: textStyle="bold"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout constraintEnd toEndOf="parent"
            app:layout constraintStart toStartOf="parent"
            app:layout constraintTop toBottomOf="@+id/youWinImage" />
        <ImageView</pre>
            android:id="@+id/youWinImage"
            android:layout_width="0dp"
            android:layout_height="@dimen/game over height"
            android:layout marginStart="@dimen/horizontal margin"
            android:layout marginTop="8dp"
            android:layout marginEnd="@dimen/horizontal margin"
            android:layout_marginBottom="@dimen/vertical_margin"
            android: scaleType="fitCenter"
            app:layout constraintBottom toTopOf="@+id/nextMatchButton"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart toStartOf="parent"
            app:layout constraintTop toTopOf="parent"
```

17. Ubahlah, menjadi

Color.xml

String.xml

18. Tambahkan pada drawable

android_category_simple.xml

```
<vector android:height="411.3dp" android:viewportHeight="411.3"</pre>
    android:viewportWidth="473.8" android:width="473.8dp"
xmlns:android="http://schemas.android.com/apk/res/android">
    <path android:fillColor="#6AB343"</pre>
android:pathData="M353.1,221.9136.7,-67c2,-3.5 0.7,-8 -2.9,-9.9c-3.6,-
1.9 -8,-0.6 -9.9,2.91-37.1,67.7c-31.2,-13.9 -66.1,-21.7 -103.1,-21.6c-
36.8,0 -71.7,7.7 -102.8,21.51-37.1,-67.6c-1.9,-3.6 -6.4,-4.9 -9.9,-
2.9c-3.6,1.9 -4.9,6.4 -2.9,9.9136.7,67C48.7,259.1 0,330
0,411.31473.8,0C473.8,330 425.1,259.2 353.1,221.9M129.1,325.5c-10.9,0 -
19.8,-8.9 -19.8,-19.8c0,-10.9 8.9,-19.9 19.8,-19.9c11,0 19.9,9
19.9,19.9C149,316.6 140.1,325.5 129.1,325.5M344.8,325.5c-11,0 -19.9,-
8.9 -19.9,-19.9c0,-10.9 8.9,-19.9 19.9,-19.9c10.9,0 19.8,9
19.8,19.9C364.7,316.6 355.8,325.5 344.8,325.5"/>
    <path android:fillColor="#424242" android:pathData="M226.8,93.1c0,-
6.6\ 1.2, -12\ 3.6, -16.4c2.4, -4.4\ 6.9, -9.5\ 13.5, -15.5c5.1, -4.7\ 8.8, -8.8
11.1,-12.1c2.3,-3.3 3.4,-7.4 3.4,-12.1c0,-6.3 -2,-11.4 -6.1,-15.3c-
```

```
4.1, -3.9 -9.7, -5.8 -16.9, -5.8c -6.6, 0 -11.7, 1.9 -15.5, 5.6c -3.8, 3.7 -
6.7, 8.4 - 8.7, 13.91 - 15.5, -6.5c2.6, -7.6 7.3, -14.3 14, -20.2c216.4, 2.9
225,0 235.5,0c7.9,0 14.9,1.6 21,4.8c6.1,3.2 10.8,7.6 14.2,13.3c3.3,5.6
5,11.9 5,18.9c0,5 -1.1,9.6 -3.1,13.9c-2.1,4.3 -4.4,7.7 -6.8,10.4c-
2.4,2.7 -5.5,5.8 -9.3,9.3c-4.3,3.9 -7.5,7.7 -9.5,11.2c-2,3.5 -3.1,7.7 -
3.1,12.4v8.3h-16.9V93.1zM226.6,140.4c-2.4,-2.4 -3.6,-5.4 -3.6,-9c0,-3.4
1.2,-6.3 3.6,-8.8c2.4,-2.4 5.3,-3.6 8.8,-3.6c3.5,0 6.5,1.2
9,3.6c2.4,2.4 3.6,5.3 3.6,8.8c0,3.5 -1.2,6.5 -3.6,9c-2.4,2.4 -5.4,3.6 -
9,3.6C231.9,144.1 229,142.9 226.6,140.4z"/>
    <path android:fillColor="#424242" android:pathData="M126.3,82.2c-</pre>
2.1,-4.4 -3,-8.5 -2.7,-12.2c0.3,-3.7 1.7,-8.6 4.2,-14.6c2,-4.8 3.2,-8.7
3.7, -11.6c0.5, -30, -6.1-1.5, -9.2c-2, -4.2-4.9, -7-8.9, -8.4c-4, -1.3-
8.4, -0.9 -13.2, 1.4c -4.4, 2.1 -7.3, 4.9 -8.7, 8.7c -1.4, 3.7 -1.9, 7.7 -
1.5,12.11-12.5,0.5c-0.6,-6 0.4,-11.9 3.1,-18c2.7,-6 7.6,-10.7 14.6,-
14c5.3,-2.5 10.5,-3.6 15.6,-3.3c5.1,0.3 9.7,1.8 13.7,4.5c4,2.8 7.1,6.5
9.3,11.2c1.6,3.4 2.3,6.8 2.2,10.3c-0.1,3.5 -0.5,6.6 -1.3,9.2c-0.8,2.6 -
1.9,5.6 -3.4,9.2c-1.7,4 -2.7,7.5 -2.9,10.6c-0.3,3 0.3,6.1
1.8,9.312.6,5.61-11.4,5.3L126.3,82.2zM140.9,114.2c-2.4,-0.9 -4.1,-2.5 -
5.3,-4.9c-1.1,-2.3 -1.2,-4.6 -0.3,-7c0.9,-2.4 2.5,-4.1 4.8,-5.2c2.4,-
1.1 4.8,-1.2 7.2,-0.4c2.4,0.9 4.1,2.5 5.2,4.8c1.1,2.4 1.2,4.8 0.4,7.2c-
0.9,2.4 -2.5,4.1 -4.9,5.3C145.6,114.9 143.3,115 140.9,114.2z"/>
    <path android:fillColor="#424242" android:pathData="M320.7,127.6c-</pre>
0.7, -1.7 -0.7, -3.4 \ 0, -5.1c0.7, -1.7 \ 1.9, -2.8 \ 3.5, -3.5c1.7, -0.7 \ 3.3, -0.7
5,0c1.7,0.7 2.9,1.9 3.6,3.6c0.7,1.7 0.7,3.3 0,5c-0.7,1.7 -1.9,2.9 -
3.6,3.6c-1.7,0.7 -3.4,0.7 -5.1,0C322.5,130.5 321.3,129.3
320.7,127.6zM330.2,104.7c1.3,-3.2 3,-5.6 5,-7.2c2.1,-1.6 5.3,-3.3 9.6,-
4.8c3.4,-1.3 6,-2.5 7.8,-3.7c1.8,-1.2 3.1,-2.9 4.1,-5.2c1.3,-3.1 1.3,-
5.9 0.1,-8.6c-1.2,-2.7 -3.6,-4.8 -7.1,-6.2c-3.2,-1.3 -6.1,-1.4 -8.7,-
0.4c-2.6,1.1-4.9,2.7-7,51-6.2,-6.3c2.8,-3.2-6.4,-5.5-10.8,-7c4.4,-1.5
9.2,-1.2 14.3,0.9c3.8,1.6 6.9,3.7 9.2,6.5c2.3,2.8 3.7,5.9
4.2,9.3c0.5,3.4 0.1,6.8 -1.3,10.2c-1,2.4 -2.4,4.5 -4.3,6.1c-1.9,1.7 -
3.7,2.9 -5.4,3.7c -1.7,0.8 -3.8,1.7 -6.4,2.7c -2.9,1 -5.2,2.2 -6.9,3.5c -
1.7,1.3 -3,3.1 -4,5.41-1.6,41-8.2,-3.4L330.2,104.7z"/>
</re>
```

android_trivia.xml

```
<vector android:height="428.5dp" android:viewportHeight="428.5"</pre>
    android:viewportWidth="507" android:width="507dp"
xmlns:android="http://schemas.android.com/apk/res/android">
    <path android:fillColor="#6AB343" android:pathData="M255.6,256.5c-
9.9,0 -18.4,3.5 -25.3,10.3c-6.9,6.9 -10.3,15.3 -10.3,25.3s3.4,18.4
10.3,25.5c6.9,7 15.3,10.6 25.3,10.6c9.9,0 18.4,-3.5 25.5,-10.6c7,-7
10.6,-15.5 10.6,-25.5s-3.5,-18.4 -10.6,-25.3C274.1,260 265.6,256.5
255.6,256.5z"/>
    <path android:fillColor="#6AB343" android:pathData="M332.8,63.8c-
6.6, -10.4 -15.4, -18.8 -26.4, -25.4114.1, -25.7c1.1, -2 1.4, -4.3 0.7, -6.5c-
0.6,-2.2 -2.1,-4.1 -4.1,-5.2L317,1c-4.2,-2.2 -9.4,-0.7 -11.6,3.51-
14.6,26.6c-11.1,-4 -23.2,-6 -36.4,-6c-12.8,0 -24.5,2 -
34.9,5.9L205,4.5c-1.1,-2 -2.9,-3.5 -5.1,-4.1c-2.2,-0.6 -4.5,-0.4 -
6.5, 0.7c-2, 1.1 -3.5, 2.9 -4.2, 5.2c-0.6, 2.2 -0.4, 4.5 0.7, 6.5114.3, 26.1c-
2.5,1.7 -5,3.5 -7.3,5.5c-15.2,12.8 -25.4,28.1 -
30.6,45.7147.6,19.9c2.8,-9.7 7.7,-17.7 14.9,-24.2C235.9,79.3 245,76
```

```
256,76c10.5,0 18.9,3 25.3,8.9c6.3,5.9 9.5,13.2 9.5,21.7c0,7.2 -1.9,13.5
-5.6,19c-3.7,5.5 -9.7,12 -18,19.5c-14.4,12.4 -24.3,23.5 -29.8,33.1c-
5.5,9.7 -8.3,21.1 -8.3,34.4v13.7h54.2v-6.6c0,-9.7 1.7,-17.7 5.2,-
24c3.4,-6.3 9.9,-13.9 19.2,-22.8c12.1,-11.6 21.2,-22.4 27.3,-32.5c6.1,-
10.1 9.1,-22.3 9.1,-36.6C344.2,89.2 340.4,75.8 332.8,63.8z"/>
       <path android:fillColor="#6AB343"</pre>
android: pathData="M23.1,366.2h8.2l23.1,60.9h-8l-6,-
16.8H14.1L8,427.2H0L23.1,366.2zM37.9,403.61-8.1,-221-2.4,-6.6h-0.31-
2.5, 6.61-8, 22H37.9z''/>
       <path android:fillColor="#6AB343"</pre>
android:pathData="M60.9,385h6.9v6.3h0.3c1.2,-2.2 3.1,-4 5.6,-5.4c2.6,-
1.5 \ 5.3, -2.2 \ 8.2, -2.2c5.2, 0 \ 9.1, 1.5 \ 11.8, 4.5c2.7, 3 \ 4, 7.1 \ 4, 12.3v26.7h-
7.1v-25.6c0, -7.6 -3.5, -11.4 -10.6, -11.4c-2.3, 0 -4.3, 0.7 -6.1, 2c-1.8, 1.3
-3.2,3 -4.2,5.1c-1,2.1 -1.5,4.3 -1.5,6.6v23.3h-7.2V385z"/>
       <path android:fillColor="#6AB343" android:pathData="M115.7,425.6c-
3.1, -1.9 -5.5, -4.6 -7.3, -8c-1.8, -3.4 -2.7, -7.3 -2.7, -11.5c0, -4.3 0.9, -1.5
8.1 \ 2.7, -11.5c1.8, -3.4 \ 4.3, -6.1 \ 7.3, -8c3.1, -1.9 \ 6.4, -2.9 \ 10, -2.9c3.3, 0
6.2,0.7 8.8,2.2c2.6,1.4 4.6,3.2 5.9,5.4h0.31-0.3,-5.8v-19.1h7.1v60.9h-
6.8v-6.3h-0.3c-1.3,2.2 -3.3,4 -5.9,5.5c-2.6,1.4 -5.6,2.2 -
8.8,2.2C122.1,428.5 118.8,427.6 115.7,425.6zM133.8,420.1c2.1,-1.3 3.8,-
3.1 \ 5.1, -5.6c1.3, -2.4 \ 1.9, -5.2 \ 1.9, -8.4c0, -3.2 \ -0.6, -6.1 \ -1.9, -8.5c-
1.3, -2.4 -3, -4.3 -5.1, -5.5c -2.1, -1.3 -4.4, -1.9 -6.9, -1.9c -2.5, 0 -
4.8,0.7 - 6.9,2c - 2.1,1.3 - 3.8,3.2 - 5.1,5.6c - 1.3,2.4 - 1.9,5.2 -
1.9,8.4s0.6,6 1.9,8.4c1.3,2.4 3,4.3 5.1,5.6c2.1,1.3 4.4,2
6.9,2C129.4,422 131.7,421.3 133.8,420.1z"/>
      <path android:fillColor="#6AB343"</pre>
android:pathData="M158.3,385h6.9v6.9h0.3c0.8,-2.3 2.4,-4.3 4.9,-
5.9c2.5, -1.64.9, -2.47.4, -2.4c1.8, 03.4, 0.34.9, 0.9v7.7c-1.5, -0.9-
3.5, -1.3 -6, -1.3c-2, 0 -3.8, 0.6 -5.6, 1.7c-1.7, 1.2 -3.1, 2.7 -4.1, 4.6c-
1,1.9 -1.5,4 -1.5,6.3v23.5h-7.2V385z"/>
       <path android:fillColor="#6AB343" android:pathData="M194.9,425.6c-
3.3, -2 -5.9, -4.7 -7.7, -8.1c-1.8, -3.4 -2.8, -7.2 -2.8, -11.4c0, -4.2 0.9, -8
2.8,-11.4c1.8,-3.4 4.4,-6.1 7.7,-8.1c3.3,-2 7,-2.9 11.1,-2.9c4.1,0
7.9,1 11.2,2.9c3.3,2 5.9,4.7 7.7,8.1c1.8,3.4 2.8,7.2 2.8,11.4c0,4.2 -
0.9,8 - 2.8,11.4c - 1.8,3.4 - 4.4,6.1 - 7.7,8.1c - 3.3,2 - 7,2.9 -
11.2,2.9C201.9,428.5 198.2,427.6 194.9,425.6zM213.2,420c2.2,-1.3 4,-3.2
5.3, -5.6c1.3, -2.4 2, -5.2 2, -8.4s-0.7, -6 -2, -8.4c-1.3, -2.4 -3.1, -4.3 -
5.3,-5.6c-2.2,-1.3 -4.6,-2 -7.1,-2c-2.5,0 -4.9,0.7 -7.1,2c-2.2,1.3 -
4,3.2 -5.3,5.6c-1.3,2.4 -2,5.2 -2,8.4s0.7,6 2,8.4c1.3,2.4 3.1,4.3
5.3,5.6c2.2,1.3 4.6,2 7.1,2C208.6,422 211,421.3 213.2,420z"/>
      <path android:fillColor="#6AB343" android:pathData="M235.7,374.4c-</pre>
1,-1 -1.5,-2.2 -1.5,-3.7c0,-1.4 0.5,-2.6 1.5,-3.7c1,-1 2.2,-1.5 3.7,-
1.5c1.4,0 2.6,0.5 3.7,1.5c1,1 1.5,2.2 1.5,3.7c0,1.4 -0.5,2.6 -1.5,3.7c-
1,1 -2.2,1.5 -3.7,1.5C237.9,375.9 236.7,375.4
235.7,374.4zM235.8,385h7.1v42.2h-7.1v385z"/>
       <path android:fillColor="#6AB343" android:pathData="M261.4,425.6c-
3.1, -1.9 -5.5, -4.6 -7.3, -8c-1.8, -3.4 -2.7, -7.3 -2.7, -11.5c0, -4.3 0.9, -1.3
8.1 \ 2.7, -11.5c1.8, -3.4 \ 4.3, -6.1 \ 7.3, -8c3.1, -1.9 \ 6.4, -2.9 \ 10, -2.9c3.3, 0
6.2,0.7 8.8,2.2c2.6,1.4 4.6,3.2 5.9,5.4h0.31-0.3,-5.8v-19.1h7.1v60.9h-
6.8v-6.3h-0.3c-1.3,2.2-3.3,4-5.9,5.5c-2.6,1.4-5.6,2.2-
8.8,2.2C267.8,428.5 264.5,427.6 261.4,425.6zM279.5,420.1c2.1,-1.3 3.8,-
3.1 \ 5.1, -5.6c1.3, -2.4 \ 1.9, -5.2 \ 1.9, -8.4c0, -3.2 \ -0.6, -6.1 \ -1.9, -8.5c-
1.3, -2.4 -3, -4.3 -5.1, -5.5s -4.4, -1.9 -6.9, -1.9c -2.5, 0 -4.8, 0.7 -6.9, 2c -4.8, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.9, 0.7 -6.
2.1,1.3 -3.8,3.2 -5.1,5.6c-1.3,2.4 -1.9,5.2 -1.9,8.4s0.6,6
```

```
1.9,8.4c1.3,2.4 3,4.3 5.1,5.6c2.1,1.3 4.4,2 6.9,2C275,422 277.3,421.3
279.5,420.1z"/>
    <path android:fillColor="#424242" android:pathData="M334.3,373.1h-
17.1v-6.9h41.4v6.9h-17.1v54h-7.1V373.1z"/>
    <path android:fillColor="#424242"</pre>
android:pathData="M360.9,385h6.9v6.9h0.3c0.8,-2.3 2.4,-4.3 4.9,-
5.9c2.5, -1.6 4.9, -2.4 7.4, -2.4c1.8, 0 3.4, 0.3 4.9, 0.9v7.7c-1.5, -0.9 -
3.5, -1.3 -6, -1.3c-2, 0 -3.8, 0.6 -5.6, 1.7c-1.7, 1.2 -3.1, 2.7 -4.1, 4.6c-
1,1.9 -1.5,4 -1.5,6.3v23.5h-7.2v385z"/>
    <path android:fillColor="#424242" android:pathData="M392.7,374.4c-</pre>
1,-1 -1.5,-2.2 -1.5,-3.7c0,-1.4 0.5,-2.6 1.5,-3.7c1,-1 2.2,-1.5 3.7,-1
1.5c1.4,0 2.6,0.5 3.7,1.5c1,1 1.5,2.2 1.5,3.7c0,1.4 -0.5,2.6 -1.5,3.7c-
1,1 -2.2,1.5 -3.7,1.5C394.9,375.9 393.7,375.4
392.7,374.4zM392.8,385h7.1v42.2h-7.1v385z"/>
    <path android:fillColor="#424242"</pre>
android:pathData="M406.4,385h7.8112.9,33.7h0.2113.1,-33.7h7.71-
17.3,42.2h-7.3L406.4,385z"/>
    <path android:fillColor="#424242" android:pathData="M454.5,374.4c-
1,-1 -1.5,-2.2 -1.5,-3.7c0,-1.4 0.5,-2.6 1.5,-3.7c1,-1 2.2,-1.5 3.7,-
1.5c1.4,0 2.6,0.5 3.7,1.5c1,1 1.5,2.2 1.5,3.7c0,1.4 -0.5,2.6 -1.5,3.7c-
1,1 -2.2,1.5 -3.7,1.5C456.7,375.9 455.5,375.4
454.5,374.4zM454.5,385h7.1v42.2h-7.1v385z"/>
    <path android:fillColor="#424242" android:pathData="M477.9,426.7c-
2.5,-1.2 -4.4,-2.9 -5.8,-5.1c-1.4,-2.2 -2.1,-4.6 -2.1,-7.4c0,-4.5 1.7,-
8 5.1,-10.5c3.4,-2.5 7.7,-3.7 13,-3.7c2.6,0 5,0.3 7.1,0.9c2.1,0.6
3.8,1.25,1.9v-2.2c0,-2-0.5,-3.9-1.6,-5.5c-1.1,-1.6-2.5,-2.9-4.2,-
3.7c-1.8,-0.9 -3.7,-1.3 -5.7,-1.3c-4.8,0 -8.5,2 -11.1,5.91-6,-4c1.8,-
2.6 4.1,-4.6 7,-6.1c2.9,-1.4 6.2,-2.2 9.8,-2.2c5.8,0 10.4,1.6
13.7,4.7c3.3,3.1 5,7.3 5,12.6v26.3h-6.9V421h-0.3c-1.4,2.2 -3.2,4 -
5.5,5.4c-2.3,1.4 -5,2.2 -8.1,2.2s480.4,427.9
477.9,426.7zM493.3,420.4c2,-1.2 3.7,-2.8 5,-4.9s1.9,-4.3 1.9,-6.6c-
3.2, -2 -6.8, -3.1 -11, -3.1c -3.6, 0 -6.4, 0.8 -8.6, 2.4c -2.1, 1.6 -3.2, 3.7 -
3.2,6.2c0,2.3 0.9,4.1 2.8,5.6c1.9,1.4 4.1,2.2 6.6,2.2C489.1,422.1
491.2,421.6 493.3,420.4z"/>
</re>
```

try_again.xml

```
41.6,40128.3,010,83c0,20.7 17.5,37.4 38.9,37.4c21.5,0 39,-16.8 39,-
37.510,-83152.6,010,83c0,20.6 17.5,37.5 39,37.4c21.5,0 39,-16.8 39,-
37.510,-82.9128.4,0c22.9,0 41.6,-17.9 41.6,-4010,-
243L93.1,202.8zM534.4,267.7c0,-20.7 -17.4,-37.4 -39,-37.4c-21.5,0 -
39,16.8 -39,37.510,156.8c0,20.7 17.4,37.4 39,37.4c21.5,0 39,-16.7 39,-
37.5L534.4,267.7z"/>
    <path android:fillColor="#FF000000"</pre>
android:pathData="M28.8,698.2H2.7v-
10.1h63.2v10.1H39.8v79.3H28.8V698.2z"/>
    <path android:fillColor="#FF000000"</pre>
android:pathData="M69.5,715.5h10.5v10.1h0.5c1.2,-3.4 3.7,-6.3 7.5,-
8.6c3.8,-2.3 7.5,-3.5 11.2,-3.5c2.7,0 5.2,0.4 7.5,1.2v11.4c-2.3,-1.2 -
5.4,-1.9 -9.1,-1.9c-3,0 -5.9,0.9 -8.5,2.6c-2.6,1.7 -4.7,4 -6.3,6.8c-
1.6,2.8 -2.3,5.9 -2.3,9.3v34.6H69.5V715.5z"/>
    <path android:fillColor="#FF000000"</pre>
android:pathData="M139.6,773.51-26.8,-58h12120,45.6h0.3119.4,-45.6h121-
40.3,88.9h-11.3L139.6,773.5z"/>
    <path android:fillColor="#FF000000"</pre>
android:pathData="M240.7,688.1h12.5135.4,89.4h-12.21-9.2,-24.6H2271-
9.4,24.6h-12.2L240.7,688.1zM263.2,742.91-12.3,-32.21-3.6,-9.6h-0.51-
3.8,9.61-12.2,32.2H263.2z"/>
    <path android:fillColor="#FF000000"</pre>
android:pathData="M306.4,801.1c-4.9,-3.6 -8.3,-7.7 -10,-12.5110.3,-
4.1c1.3,3.7 3.6,6.6 7,8.9c3.3,2.3 7.3,3.4 11.9,3.4c6.8,0 12.1,-1.9
15.8, -5.7c3.7, -3.8 5.5, -9.2 5.5, -16v-6.6h-0.5c-2.1, 3.2 -5.1, 5.8 -
9,7.9c-3.9,2.1 -8.3,3.1 -13.3,3.1c-5.5,0 -10.5,-1.4 -15.2,-4.3c-4.7,-
2.8 -8.4,-6.8 -11.2,-11.8c-2.8,-5 -4.2,-10.7 -4.2,-16.9s1.4,-11.9 4.2,-
16.9c2.8, -5 6.5, -8.9 11.2, -11.8c4.7, -2.8 9.8, -4.3 15.2, -4.3c4.9, 0 9.4, 1
13.3,3.1c3.9,2.1 6.9,4.7 9,7.9h0.5v-9h10.5v775c0,6.8 -1.4,12.6 -
4.2,17.4c-2.8,4.7 -6.6,8.3 -11.4,10.6c-4.8,2.3 -10.2,3.5 -
16.3,3.5C317.7,806.5 311.3,804.7 306.4,801.1zM336.3,767.1c3.2,-1.9
5.8, -4.6 7.7, -8.1c2, -3.5 2.9, -7.7 2.9, -12.4s-1, -8.9 -2.9, -12.5c-2, -3.6
-4.5, -6.3 -7.7, -8.1c-3.2, -1.8 -6.7, -2.8 -10.5, -2.8c-3.8, 0 -7.3, 0.9 -10.5
10.5, 2.8c - 3.2, 1.9 - 5.8, 4.6 - 7.7, 8.1c - 1.9, 3.5 - 2.9, 7.7 - 2.9, 12.4s 1, 8.9
2.9,12.4c2,3.5 4.5,6.2 7.7,8.1c3.2,1.9 6.7,2.8 10.5,2.8C329.6,769.9
333.1,768.9 336.3,767.1z"/>
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19.8, -5.5c4, 0 7.6, 0.4 10.8, 1.2c3.2, 0.8 5.8, 1.7 7.7, 2.7v-3.2c0, -3 -0.8, -
5.7 -2.4,-8.1c-1.6,-2.4 -3.8,-4.2 -6.4,-5.5c-2.7,-1.3 -5.6,-1.9 -8.7,-
1.9c-7.4,0 -13,2.9 -16.9,8.61-9.2,-5.9c2.7,-3.8 6.2,-6.8 10.7,-
8.9c4.4, -2.19.4, -3.215, -3.2c8.8, 015.8, 2.320.9, 6.9c5.1, 4.67.7, 10.7
7.7,18.5v38.6h-10.5v-9.1h-0.5c-2.1,3.2-4.9,5.8-8.5,7.9c-3.6,2.1-
7.7,3.2 -12.3,3.2C389.2,779.5 385,778.6 381.2,776.8zM404.7,767.5c3.1,-
1.7 \ 5.7, -4.1 \ 7.6, -7.1s2.9, -6.2 \ 2.9, -9.7c-4.9, -3 \ -10.4, -4.5 \ -16.8, -4.5c-
5.5,0 -9.8,1.2 -13.1,3.6c-3.2,2.4 -4.9,5.4 -4.9,9.1c0,3.3 1.4,6.1
4.3,8.2c2.9,2.1 6.2,3.2 10,3.2C398.2,770.1 401.5,769.3 404.7,767.5z"/>
    <path android:fillColor="#FF000000" android:pathData="M441.7,700c-
1.6, -1.5 -2.3, -3.3 -2.3, -5.4c0, -2.1 0.8, -3.9 2.3, -5.4c1.6, -1.5 3.4, -2.2
5.6, -2.2c2.2, 0 4,0.7 5.6,2.2c1.6,1.5 2.3,3.3 2.3,5.4c0,2.1 -0.8,3.9 -
2.3, 5.4c-1.5, 1.5 -3.4, 2.2 -5.7, 2.2C445.1, 702.3 443.3, 701.5
441.7,700zM441.8,715.5h10.9v62h-10.9V715.5z"/>
    <path android:fillColor="#FF000000"</pre>
```

```
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</wector>
```

you_win.xml

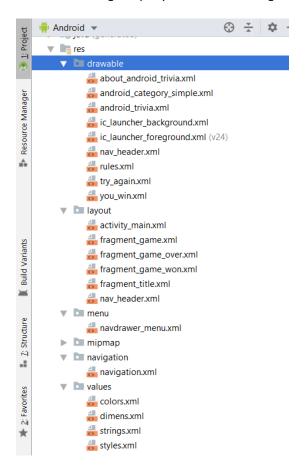
```
<vector android:height="839.3dp" android:viewportHeight="839.3"</pre>
    android:viewportWidth="936.8" android:width="936.8dp"
xmlns:android="http://schemas.android.com/apk/res/android">
    <path android:fillColor="#6AB343"</pre>
android:pathData="M269.6,269.7c15.2,-15.2 15.2,-39.9 0,-
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0,55.11115.4,115.4C229.7,284.9 254.4,284.9
269.6,269.7M554.5,57.7L581.7,8c1.5,-2.6 0.5,-5.9 -2.1,-7.4c-2.7,-1.4 -
5.9, -0.5 -7.3, 2.2L544.8, 53c-23.1, -10.3 -49, -16.1 -76.4, -16c-27.3, 0 -
53.2,5.7 -76.2,16L364.7,2.9c-1.4,-2.6 -4.7,-3.6 -7.3,-2.2c-2.6,1.4 -
3.6,4.7 -2.1,7.3127.2,49.6C329,85.2 292.9,137.7
292.9,1981351,0C644,137.7 607.9,85.3 554.5,57.7M388.6,134.4c-8.1,0 -
14.7,-6.6 -14.7,-14.7c0,-8.1 6.6,-14.7 14.7,-14.7c8.1,0 14.7,6.6
14.7,14.7C403.3,127.8 396.7,134.4 388.6,134.4M548.4,134.4c-8.1,0 -
14.7,-6.6 -14.7,-14.7c0,-8.1 6.6,-14.7 14.7,-14.7c8.1,0 14.7,6.7
14.7,14.8C563.1,127.8 556.5,134.4 548.4,134.4M294.9,21110.1,252.9c0,23
18.6,41.6 41.6,41.6128.3,010,86.3c0,21.5 17.5,39 38.9,39c21.5,0 39,-
17.5 39,-3910,-86.3152.6,010,86.3c0,21.5 17.5,39 39,39c21.5,0 39,-17.5
39,-3910,-86.3128.4,0c22.9,0 41.6,-18.6 41.6,-41.610,-
252.9L294.9,211zM669.7,269.7c15.2,15.2 39.9,15.2 55.1,01115.4,-
115.4c15.3,-15.2 15.2,-39.9 0,-55.1C825,84 800.4,84
785.1,99.2L669.7,214.6C654.5,229.8 654.5,254.5 669.7,269.7"/>
    <path android:fillColor="#FF000000" android:pathData="M23.7,804.8c-
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17.2 6.3,-24.7c4.2,-7.5 10,-13.3 17.4,-17.5c7.4,-4.2 15.5,-6.4 24.4,-
6.4c7,0 13.4,1.3 19.2,4c5.8,2.6 10.7,6.4 14.9,11.21-7.8,7.7c-3.5,-4.2 -
7.3, -7.4 -11.6, -9.4c-4.3, -2 -9.2, -3 -14.6, -3c-6.7, 0 -12.8, 1.6 -12.8, 1.6
18.5, 4.7c-5.6, 3.2-10.1, 7.6-13.5, 13.4c-3.3, 5.8-5, 12.4-5, 20s1.7, 14.2
5,20c3.3,5.8 7.8,10.2 13.5,13.4c5.6,3.2 11.8,4.7 18.5,4.7c11.4,0 21,-
4.6\ 28.9, -13.917.9, 7.8c - 4.2, 5.1\ -9.5, 9.2\ -15.9, 12.2c - 6.3, 3\ -13.3, 4.5\ -
20.9,4.5C39.2,811.2 31,809.1 23.7,804.8z"/>
    <path android:fillColor="#FF000000" android:pathData="M108,806.7c-
5,-3 -9,-7.1 -11.8,-12.3c-2.8,-5.2 -4.2,-11.1 -4.2,-17.5c0,-6.4 1.4,-
12.2 4.2,-17.5c2.8,-5.2 6.7,-9.4 11.8,-12.4c5,-3 10.7,-4.5 17,-
4.5c6.3,0 12,1.5 17.1,4.5c5.1,3 9,7.1 11.8,12.4c2.8,5.2 4.2,11.1
4.2,17.5c0,6.4 - 1.4,12.2 - 4.2,17.5c - 2.8,5.2 - 6.8,9.4 - 11.8,12.3c - 5.1,3
-10.8,4.5 -17.1,4.5C118.7,811.2 113.1,809.7 108,806.7zM136,798.2c3.4,-2
6.1, -4.8 \ 8.1, -8.5c2, -3.7 \ 3.1, -8 \ 3.1, -12.8c0, -4.9 \ -1, -9.1 \ -3.1, -12.8c-
2,-3.7 -4.7,-6.5 -8.1,-8.5c-3.4,-2 -7,-3 -10.9,-3c-3.8,0 -7.4,1 -
10.8,3c-3.4,2 -6.1,4.8 -8.1,8.5c-2,3.7 -3.1,8 -3.1,12.8c0,4.9 1,9.1
3.1,12.8c2,3.7 4.7,6.5 8.1,8.5c3.4,2 7,3 10.8,3C129,801.2 132.6,800.2
136,798.2z"/>
    <path android:fillColor="#FF000000"</pre>
android:pathData="M169.4,744.6h10.5v9.6h0.5c1.8,-3.3 4.7,-6.1 8.6,-
```

```
8.3c3.9, -2.3 8.1, -3.4 12.5, -3.4c7.9, 0 13.9, 2.3 18, 6.9c4.1, 4.6 6.2, 10.9
6.2,18.8v40.8h-10.9v770c0,-11.6 -5.4,-17.4 -16.2,-17.4c-3.5,0 -6.6,1 -
9.4,3c-2.8,2-4.9,4.6-6.4,7.8c-1.5,3.2-2.3,6.6-2.3,10.1v35.6h-
11V744.6z"/>
           <path android:fillColor="#FF000000" android:pathData="M250,833.7c-</pre>
4.9,-3.7 -8.3,-8.1 -10,-13110.3,-4.3c1.3,3.8 3.6,6.9 7,9.3c3.3,2.4
7.3,3.6\ 11.9,3.6c6.8,0\ 12.1,-2\ 15.8,-6c3.7,-4\ 5.5,-9.5\ 5.5,-16.7v-6.9h-9.5
0.5c-2.1,3.3 -5.1,6 -9,8.2c-3.9,2.2 -8.3,3.2 -13.3,3.2c-5.5,0 -10.5,-
1.5 -15.2,-4.4c-4.7,-3 -8.4,-7 -11.2,-12.3c-2.8,-5.2 -4.2,-11.1 -4.2,-
17.6s1.4,-12.4 4.2,-17.6c2.8,-5.2 6.5,-9.3 11.2,-12.3c4.7,-3 9.8,-4.4
15.2,-4.4c4.9,0 9.4,1.1 13.3,3.2c3.9,2.2 6.9,4.9 9,8.2h0.5v-
9.4H301v61.9c0, 7.1 - 1.4, 13.1 - 4.2, 18.1c - 2.8, 4.9 - 6.6, 8.6 - 11.4, 11c -
4.8,2.4 -10.2,3.6 -16.3,3.6C261.3,839.3 254.9,837.4
250,833.7zM279.9,798.2c3.2,-2 5.8,-4.8 7.7,-8.4c2,-3.7 2.9,-8 2.9,-
12.9c0, -5 -1, -9.3 -2.9, -13c -1.9, -3.7 -4.5, -6.5 -7.7, -8.4c -3.2, -1.9 -
6.7, -2.9 -10.5, -2.9c -3.8, 0 -7.3, 1 -10.5, 2.9c -3.2, 2 -5.8, 4.8 -7.7, 8.4c -7.7, 
2,3.7 -2.9,8 -2.9,12.9c0,5 1,9.3 2.9,12.9c1.9,3.7 4.5,6.5 7.7,8.4c3.2,2
6.7,2.9 10.5,2.9C273.2,801.2 276.7,800.2 279.9,798.2z"/>
           <path android:fillColor="#FF000000"</pre>
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5.4,-2 -9.1,-2c-3,0 -5.9,0.9 -8.5,2.7c-2.6,1.8 -4.7,4.1 -6.3,7.1c-1.6,3
-2.3,6.2 -2.3,9.6v36h-11.1v744.6z"/>
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5.7c4,0 7.6,0.4 10.8,1.3c3.2,0.9 5.8,1.8 7.7,2.9v-3.4c0,-3.1 -0.8,-5.9
-2.4, -8.4c - 1.6, -2.5 -3.8, -4.4 -6.4, -5.7c - 2.7, -1.3 -5.6, -2 -8.7, -2c - 1.5
7.4,0 -13,3 -16.9,91-9.2,-6.1c2.7,-4 6.2,-7.1 10.7,-9.3s9.4,-3.3 15,-9.3s9.4
3.3c8.8,0 15.8,2.4 20.9,7.1c5.1,4.8 7.7,11.2 7.7,19.2v40.2h-10.5v-9.5h-
0.5c-2.1,3.3-4.9,6-8.4,8.3c-3.6,2.2-7.7,3.3-12.3,3.3C378.4,811.2
374.2,810.3 370.4,808.4zM393.9,798.7c3.1,-1.8 5.7,-4.3 7.6,-7.4c1.9,-
3.1\ 2.9, -6.5\ 2.9, -10.1c - 4.9, -3.1\ -10.4, -4.7\ -16.8, -4.7c -5.5, 0\ -9.8, 1.2
-13.1,3.7s-4.9,5.6 -4.9,9.4c0,3.5 1.4,6.3 4.3,8.5s6.2,3.3
10,3.3C387.5,801.4 390.8,800.5 393.9,798.7z"/>
           <path android:fillColor="#FF000000"</pre>
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-3, -3.6 -3.8, -5.9c - 0.8, -2.3 -1.2, -4.9 -1.2, -8v - 37.7h - 11.4v - 10h 11.4v 
19.2h10.9v19.2h15.9v10h-15.9v35.1c0,3.7 0.7,6.5 2.2,8.2c1.5,2 3.7,2.9
6.8, 2.9c2.7, 0.5, -0.6.7, -1.8v10.7c-1.4, 0.5. -2.7, 0.9. -4, 1.1c-1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.2. -1.3, 0.
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           <path android:fillColor="#FF000000"</pre>
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6.5, -7.8c1.5, -3.2 2.3, -6.6 2.3, -10.1v-35.6H531v64.5h-10.4v-9.6h-0.5c-
1.9,3.3 - 4.8,6.1 - 8.6,8.3c - 3.9,2.3 - 8,3.4 - 12.4,3.4c491.1,811.2
485,808.9 480.9,804.3z"/>
            <path android:fillColor="#FF000000"
android:pathData="M547.3,716h11.1v93.1h-11.1V716z"/>
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android:pathData="M582.1,808.4c-3.8,-1.9 -6.7,-4.5 -8.8,-7.8c-2.1,-3.3
-3.2,-7.1 -3.2,-11.2c0,-6.8 2.6,-12.2 7.7,-16c5.2,-3.8 11.8,-5.7 19.8,-
5.7c4,0 7.6,0.4 10.8,1.3c3.2,0.9 5.8,1.8 7.7,2.9v-3.4c0,-3.1 -0.8,-5.9
-2.4, -8.4c - 1.6, -2.5 -3.8, -4.4 -6.4, -5.7c - 2.7, -1.3 -5.6, -2 -8.7, -2c - 2.4, -8.4c - 1.6, -2.5
```

```
7.4,0 -13,3 -16.9,91-9.2,-6.1c2.7,-4 6.2,-7.1 10.7,-9.3s9.4,-3.3 15,-
3.3c8.8,0 15.8,2.4 20.9,7.1c5.1,4.8 7.7,11.2 7.7,19.2v40.2h-10.5v-9.5h-
0.5c-2.1,3.3-4.9,6-8.5,8.3c-3.6,2.2-7.7,3.3-12.3,3.3c590.1,811.2
585.8,810.3 582.1,808.4zM605.5,798.7c3.1,-1.8 5.7,-4.3 7.6,-7.4c2,-3.1
2.9, -6.5 2.9, -10.1c-4.9, -3.1 -10.4, -4.7 -16.8, -4.7c-5.5, 0 -9.8, 1.2 -
13.1,3.7s-4.9,5.6 -4.9,9.4c0,3.5 1.4,6.3 4.3,8.5c2.9,2.2 6.2,3.3
10,3.3C599.1,801.4 602.4,800.5 605.5,798.7z"/>
        <path android:fillColor="#FF000000" android:pathData="M658,809.9c-</pre>
2.2,-0.9 -4.1,-2.1 -5.7,-3.6c-1.7,-1.7 -3,-3.6 -3.8,-5.9c-0.8,-2.3 -
1.2, -4.9 -1.2, -8v -37.7h -11.4v -10h 11.4v -19.2h 10.9v 19.2h 674v 10h -10.2h 10.9v 19.2h 10.2h 10.9v 19.2h 10.2h 10
15.9v35.1c0,3.7 0.7,6.5 2.2,8.2c1.5,2 3.7,2.9 6.8,2.9c2.7,0 5,-0.6 7,-
1.8v10.7c-1.4,0.5-2.7,0.9-4,1.1c-1.3,0.2-2.9,0.3-5,0.3C662.6,811.2
660.2,810.7 658,809.9z"/>
         <path android:fillColor="#FF000000"</pre>
android:pathData="M688.5,728.5c-1.6,-1.6 -2.3,-3.4 -2.3,-5.6c0,-2.2
0.8, -4 \ 2.3, -5.6c1.6, -1.6 \ 3.4, -2.3 \ 5.6, -2.3c2.2, 0 \ 4, 0.8 \ 5.6, 2.3c1.6, 1.6
2.3,3.4 2.3,5.6c0,2.2 -0.8,4 -2.3,5.6c-1.5,1.6 -3.4,2.3 -
5.7,2.3C691.9,730.8 690,730.1 688.5,728.5zM688.6,744.6h10.9v64.5h-
10.9V744.6z"/>
        <path android:fillColor="#FF000000"</pre>
android:pathData="M728.4,806.7c-5,-3 -9,-7.1 -11.8,-12.3c-2.8,-5.2 -
4.2,-11.1 -4.2,-17.5c0,-6.4 1.4,-12.2 4.2,-17.5c2.8,-5.2 6.7,-9.4
11.8,-12.4c5,-3 10.7,-4.5 17,-4.5c6.3,0 12,1.5 17.1,4.5s9,7.1
11.8, 12.4c2.8, 5.2 4.2, 11.1 4.2, 17.5c0, 6.4 -1.4, 12.2 -4.2, 17.5c-2.8, 5.2
-6.8,9.4 -11.8,12.3c-5.1,3 -10.8,4.5 -17.1,4.5C739.1,811.2 733.4,809.7
728.4,806.7zM756.3,798.2c3.4,-2 6.1,-4.8 8.1,-8.5c2,-3.7 3.1,-8 3.1,-
12.8c0,-4.9 -1,-9.1 -3.1,-12.8c-2,-3.7 -4.7,-6.5 -8.1,-8.5c-3.4,-2 -7,-
3 - 10.9, -3c - 3.8, 0 - 7.4, 1 - 10.8, 3c - 3.4, 2 - 6.1, 4.8 - 8.1, 8.5c - 2, 3.7 - 3.1, 8
-3.1,12.8c0,4.9 1,9.1 3.1,12.8c2,3.7 4.7,6.5 8.1,8.5c3.4,2 7,3
10.8,3C749.3,801.2 753,800.2 756.3,798.2z"/>
         <path android:fillColor="#FF000000"</pre>
android:pathData="M789.7,744.6h10.5v9.6h0.5c1.8,-3.3 4.7,-6.1 8.6,-
8.3c3.9, -2.3 8.1, -3.4 12.5, -3.4c7.9, 0 13.9, 2.3 18, 6.9c4.1, 4.6 6.2, 10.9
6.2,18.8v40.8h-10.9v770c0,-11.6 -5.4,-17.4 -16.2,-17.4c-3.5,0 -6.6,1 -
9.4,3c-2.8,2-4.9,4.6-6.4,7.8c-1.5,3.2-2.3,6.6-2.3,10.1v35.6h-
11.1V744.6z"/>
        <path android:fillColor="#FF000000" android:pathData="M866.4,806c-</pre>
4.8, -3.5 -8.1, -7.8 -10, -12.919.8, -4.3c1.7, 4.1 4.2, 7.2 7.3, 9.4c3.2, 2.2
6.6,3.2\ 10.3,3.2c4.2,0\ 7.6,-0.9\ 10.3,-2.7c2.7,-1.8\ 4.1,-4\ 4.1,-6.6c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1.8c0,-1
2.5 -1,-4.6 -3.1,-6.2c-2,-1.6 -5.5,-3.1 -10.5,-4.31-8.8,-2.2c-4.9,-1.1
-9, -3.2 -12.4, -6.1c-3.4, -2.9 -5.1, -6.8 -5.1, -11.7c0, -4 1.1, -7.4 3.4, -9.4
10.3c2.3,-2.9 5.3,-5 9.2,-6.5c3.8,-1.5 8,-2.2 12.5,-2.2c5.5,0 10.6,1.3
15.1,3.8c4.5,2.6 7.8,6.2 9.7,10.91-9.8,4.2c-1.4,-3.1 -3.5,-5.4 -6.3,-
6.9c-2.8,-1.5 -6,-2.2 -9.4,-2.2c-3.4,0 -6.4,0.8 -9.2,2.5c-2.7,1.6 -
4.1,3.8 -4.1,6.4c0,2.3 0.9,4 2.7,5.3c1.8,1.3 4.6,2.5
8.5,3.519.6,2.3c6.4,1.6 11.2,4.1 14.4,7.3c3.2,3.2 4.7,7.1
4.7,11.6c0,3.7 -1.1,7.1 -3.2,10.1c-2.2,3 -5.2,5.4 -9.1,7.2c-3.9,1.7 -
8.3,2.6 -13.3,2.6C877,811.2 871.2,809.4 866.4,806z"/>
         <path android:fillColor="#FF000000"</pre>
android:pathData="M922.7,806.7c-1.6,-1.6 -2.4,-3.6 -2.4,-5.9c0,-2.3
0.8, -4.2 2.4, -5.8c1.6, -1.6 3.6, -2.4 5.9, -2.4c2.3, 0 4.2, 0.8
5.8, 2.4c1.6, 1.6 2.4, 3.5 2.4, 5.8c0, 2.3 -0.8, 4.3 -2.4, 5.9c-1.6, 1.6 -
3.5,2.4 -5.8,2.4C926.2,809.1 924.3,808.3
```

```
922.7,806.7zM923.1,747.6v716H934v31.6l-1.3,34.1h-8.5L923.1,747.6z"/> </vector>
```

19. Sekarang kita punya struktur file sebagai berikut



20. Kemudian, buat file kotlin untuk fragment.

GameFragment.kt

```
val binding = DataBindingUtil.inflate<FragmentGameBinding>(
                inflater, R.layout. fragment game, container, false)
        binding.submitButton.setOnClickListener { view: View ->
            val checkedId =
              binding.questionRadioGroup.checkedRadioButtonId
            if (-1 != checkedId) {
                var answerIndex = 0
                when (checkedId) {
                    R.id.firstAnswerRadioButton -> answerIndex = 0
                    R.id.secondAnswerRadioButton -> answerIndex = 1
                    R.id.thirdAnswerRadioButton -> answerIndex = 2
                    R.id.fourthAnswerRadioButton -> answerIndex = 3
                if (answerIndex == 1) {
                    view.findNavController()
              .navigate(R.id.action_gameFragment_to_gameWonFragment)
                } else {
                    view.findNavController()
              .navigate(R.id.action gameFragment to gameOverFragment)
        return binding.root
    }
}
```

GameOverFragment.kt

```
package akakom.nomhs.kotlin.belajarnavigasi2
import android.os.Bundle
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import androidx.databinding.DataBindingUtil
import androidx.fragment.app.Fragment
import androidx.navigation.findNavController
import akakom.nomhs.kotlin.belajarnavigasi2
       .databinding.FragmentGameOverBinding
class GameOverFragment : Fragment() {
    override fun onCreateView(inflater: LayoutInflater,
              container: ViewGroup?,
                              savedInstanceState: Bundle?): View? {
        val binding: FragmentGameOverBinding = DataBindingUtil.inflate(
             inflater, R.layout. fragment game over, container, false)
        binding.tryAgainButton.setOnClickListener { view: View ->
       view.findNavController()
       .navigate(R.id.action gameOverFragment to gameFragment)
        return binding.root
```

```
}
```

GameWonFragment.kt

```
package akakom.nomhs.kotlin.belajarnavigasi2
import akakom.nomhs.kotlin.belajarnavigasi2
       .databinding.FragmentGameWonBinding
import android.os.Bundle
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import androidx.databinding.DataBindingUtil
import androidx.fragment.app.Fragment
import androidx.navigation.findNavController
class GameWonFragment : Fragment() {
    override fun onCreateView(inflater: LayoutInflater,
       container: ViewGroup?,
                              savedInstanceState: Bundle?): View? {
        val binding: FragmentGameWonBinding = DataBindingUtil.inflate(
                inflater, R.layout. fragment game won, container, false)
       binding.nextMatchButton.setOnClickListener { view: View ->
       view.findNavController().
       navigate(R.id.action gameWonFragment to titleFragment)
        }
        return binding.root
    }
```

TittleFragment.kt

```
package akakom.nomhs.kotlin.belajarnavigasi2
import android.os.Bundle
import android.view.*
import androidx.fragment.app.Fragment
import androidx.databinding.DataBindingUtil
import androidx.navigation.findNavController
import akakom.nomhs.kotlin.belajarnavigasi2
       .databinding.FragmentTitleBinding
class TitleFragment : Fragment() {
    override fun onCreateView(inflater: LayoutInflater,
       container: ViewGroup?,
                              savedInstanceState: Bundle?): View? {
        val binding = DataBindingUtil
       .inflate<FragmentTitleBinding>(inflater,
                R.layout. fragment title, container, false)
        binding.playButton.setOnClickListener { view : View ->
            view.findNavController()
```

```
.navigate(R.id.action_titleFragment_to_gameFragment)
}
return binding.root
}
```

21. Kemudian, buka file **navigation**, buat sehingga tampilan menjadi seperti langkah 1. Cara memasukkan fragment dan menghubungkan action, lihat pada dasar teori. Koding akhirnya adalah sebagai berikut.

```
<?xml version="1.0" encoding="utf-8"?>
<navigation xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/navigation"
    app:startDestination="@id/titleFragment">
    <fragment
        android:id="@+id/titleFragment"
        android: name=
               "akakom.nomhs.kotlin.belajarnavigasi2.TitleFragment"
        android: label="Intro"
        tools:layout="@layout/fragment title">
        <action
            android:id="@+id/action titleFragment to gameFragment"
            app:destination="@id/gameFragment" />
    </fragment>
    <fragment
        android:id="@+id/gameFragment"
        android: name=
               "akakom.nomhs.kotlin.belajarnavigasi2.GameFragment"
        android:label="Game"
        tools:layout="@layout/fragment game">
        <action
            android:id="@+id/action_gameFragment_to_gameOverFragment"
            app:destination="@id/gameOverFragment"
            app:popUpTo="@+id/gameFragment"
            app:popUpToInclusive="true" />
        <action
            android:id="@+id/action gameFragment to gameWonFragment"
            app:destination="@id/gameWonFragment"
            app:popUpTo="@+id/gameFragment"
            app:popUpToInclusive="true" />
    </fragment>
    <fragment</pre>
        android:id="@+id/gameOverFragment"
        android: name=
               "akakom.nomhs.kotlin.belajarnavigasi2.GameOverFragment"
        android: label="Game Failed"
        tools:layout="@layout/fragment game over">
        <action
            android:id="@+id/action gameOverFragment to gameFragment"
            app:destination="@id/gameFragment"
            app:popUpTo="@+id/titleFragment"
```

22. Ubahlah MainActivity.kt menjadi sebagai berikut.

```
package akakom.nomhs.kotlin.belajarnavigasi2
import
akakom.nomhs.kotlin.belajarnavigasi2.databinding.ActivityMainBinding
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import androidx.databinding.DataBindingUtil
import androidx.drawerlayout.widget.DrawerLayout
import androidx.navigation.findNavController
import androidx.navigation.ui.NavigationUI
class MainActivity : AppCompatActivity() {
    private lateinit var drawerLayout: DrawerLayout
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        val binding = DataBindingUtil
       .setContentView<ActivityMainBinding>(this,
       R.layout.activity main)
        drawerLayout = binding.drawerLayout
        val navController =
              this.findNavController(R.id.myNavHostFragment)
              NavigationUI.setupActionBarWithNavController
               (this, navController, drawerLayout)
        NavigationUI.setupWithNavController(binding
               .navView, navController)
    override fun onSupportNavigateUp(): Boolean {
        val navController = this.findNavController
               (R.id.myNavHostFragment)
        return NavigationUI.navigateUp(navController, drawerLayout)
```

}

23. Jalankan dan amati hasilnya.



LATIHAN

1. Modifikasilah aplikasi dengan menambahkan detil data pemilih nomor telepon.



TUGAS

1. Buat aplikasi baru dengan mengembangkan project diatas



REFERENSI

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