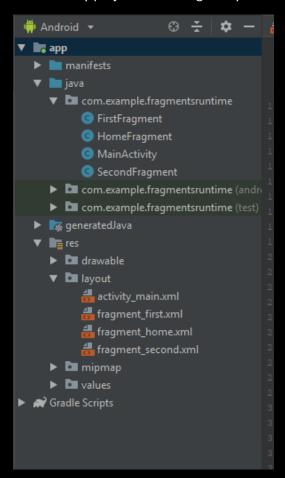
Przełączanie między fragmentami

Krok 1

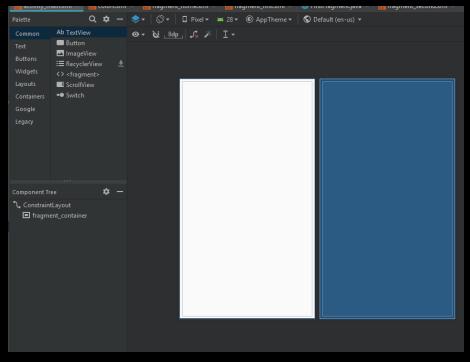
Stwórz nowy projekt oraz 3 fragmenty.



W pliku colors.xml dodaj 3 nowe kolory:

Zaprojektuj interfejs MainActivity. Stworzymy container do trzymania fragmentów wykorzystując FrameLayout (zwróć uwagę na id elementów!):

```
🚜 activity_main.xml
                    🚜 colors.xml 🗦
                                    🖶 fragment_home.xml 🗵
                                                           🚜 fragment_first.x
       <?xml version="1.0" encoding="utf-8"?>
       <android.support.constraint.ConstraintLayout xmlns:android="http:</pre>
           xmlns:tools="http://schemas.android.com/tools"
           android:layout width="match parent"
           android:layout_height="match_parent"
           <FrameLayout
               android:id="@+id/fragment container"
               android:layout width="395dp"
               android:layout_height="715dp"
               android:layout_marginStart="8dp"
               android:layout_marginTop="8dp"
               android:layout marginEnd="8dp"
               android:layout_marginBottom="8dp"
               app:layout_constraintBottom_toBottomOf="parent"
               app:layout_constraintEnd_toEndOf="parent"
                app:layout_constraintStart_toStartOf="parent"
               app:layout_constraintTop_toTopOf="parent">
           </FrameLayout>
       </android.support.constraint.ConstraintLayout>
```



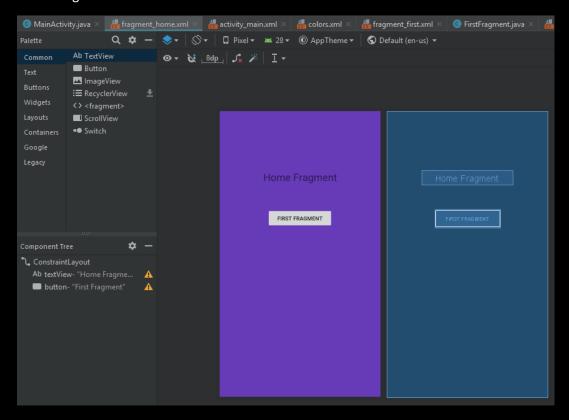
Krok 3

Musimy zaimplementować w MainActivity mechanizm wrzucenia do kontenera naszego pierwszego fragmentu:

Krok 4

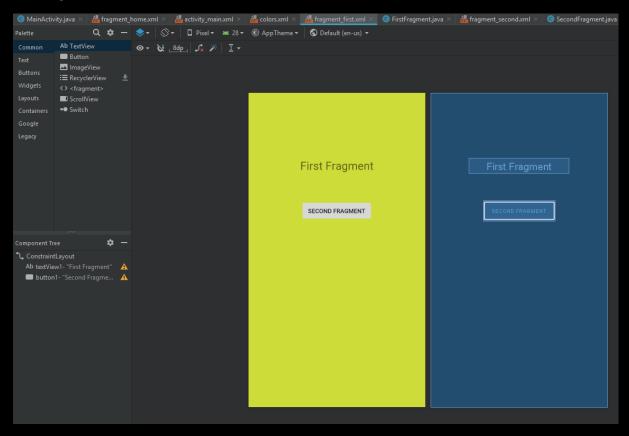
Teraz projektujemy wygląd naszych fragmentów. Będzie to prosty TextView oraz przycisk.

HomeFragment:



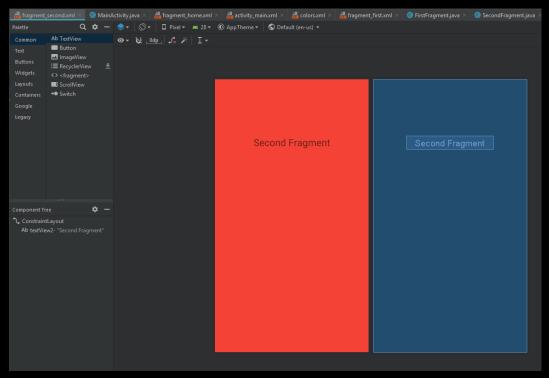
```
🚚 colors.xr
🌀 MainActivity.java 🗴 👸 fragment_home.xml 🗴 👸 activity_main.xml 🗵
       <android.support.constraint.ConstraintLayout</pre>
            xmlns:android="http://schemas.android.com/apk/res/android"
            android:layout_width="match_parent"
            android:layout_height="match parent"
           android:background="@color/home_fragment_color">
           <TextView
                android:id="@+id/textView"
                android:layout_width="233dp"
                android:layout_height="36dp"
                android:layout_marginStart="8dp"
                android:layout_marginTop="8dp"
                android:layout_marginEnd="8dp"
                android:layout_marginBottom="8dp"
                android:textAlignment="center"
                android:textSize="26sp"
                app:layout_constraintBottom_toBottomOf="parent"
                app:layout_constraintEnd_toEndOf="parent
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toTopOf="parent"
                app:layout_constraintVertical_bias="0.211" />
           <Button
                android:id="@+id/button"
                android:layout_width="167dp"
                android:layout_height="wrap_content"
                android:layout marginStart="8dp"
                android:layout_marginTop="8dp"
                android:layout_marginEnd="8dp"
                android:layout_marginBottom="8dp"
                app:layout_constraintBottom_toBottomOf="parent"
                app:layout_constraintEnd_toEndOf="parent"
                app:layout_constraintHorizontal_bias="0.498"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toBottomOf="@+id/textView"
                app:layout_constraintVertical_bias="0.114" />
       </android.support.constraint.ConstraintLayout>
```

FirstFragment:



```
🚚 activity_main.xml 🗵
                                                                🚚 colors.xml 🗵
🧿 MainActivity.java 🗴 | 🚜 fragment_home.xml 🗵
       <?xml version="1.0" encoding="utf-8"?>
       <android.support.constraint.ConstraintLayout</pre>
           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/first_fragment_color">
           <TextView
               android:id="@+id/textViewl"
               android:layout width="233dp"
               android:layout_height="36dp"
               android:layout_marginStart="8dp"
               android:layout_marginTop="8dp"
               android:layout_marginEnd="8dp"
               android:layout_marginBottom="8dp"
               android:textAlignment="center"
               android:textSize="26sp"
               app:layout_constraintBottom_toBottomOf="parent"
               app:layout_constraintEnd_toEndOf="parent"
               app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toTopOf="parent"
               app:layout_constraintVertical_bias="0.211" />
           <Button
               android:layout_width="167dp"
               android:layout height="wrap content"
               android:layout_marginStart="8dp"
               android:layout_marginTop="8dp'
               android:layout_marginEnd="8dp"
               android:layout_marginBottom="8dp"
               app:layout_constraintBottom_toBottomOf="parent"
               app:layout_constraintEnd_toEndOf="parent"
               app:layout_constraintHorizontal_bias="0.498"
               app:layout_constraintStart_toStartOf="parent"
               app:layout_constraintTop_toBottomOf="@+id/textView1"
               app:layout_constraintVertical_bias="0.114" />
       <@ndroid.support.constraint.ConstraintLayout>
```

SecondFragment:



```
🚜 activity_main.xml
🚜 fragment_second.xml 🔀 🏮 MainActivity.java 🗵
                                            🚜 fragment_home.xml 🗵
       <?xml version="1.0" encoding="utf-8"?>
  0
       <android.support.constraint.ConstraintLayout xmlns:android="http://schemas.and</pre>
           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/second_fragment_color">
           <TextView
               android:id="@+id/textView2"
               android:layout_width="233dp"
               android:layout_height="36dp"
               android:layout_marginStart="8dp"
               android:layout_marginTop="8dp"
               android:layout_marginEnd="8dp"
               android:layout marginBottom="8dp"
               android:textAlignment="center"
               android:textSize="26sp"
               app:layout constraintBottom toBottomOf="parent"
               app:layout_constraintEnd_toEndOf="parent"
               app:layout_constraintStart_toStartOf="parent"
               app:layout_constraintTop_toTopOf="parent"
               app:layout_constraintVertical_bias="0.211" />
       </android.support.constraint.ConstraintLayout>
```

Krok 5

Teraz musimy dodac trochę kodu do naszych fragmentów, szczególnie znane Ci powinno być nasłuchiwanie naciśnięcia przycisku. Inaczej niż wywoływanie nowej aktywności wygląda wywoływanie nowego fragmentu. Bardziej można to nazwać zastępowaniem jednego fragmentu drugim w tym samym kontenerze oraz dodanie go do stosu by można było wrócić do poprzedniego fragmentu.

HomeFragment:

```
🚚 fragment_second.xml 🗵
                                                                     activity_main.xml >
                                                                                          🚜 colors.xml
                        MainActivity.java
                                             🚛 fragment_home.xml 🗵
            private Button button;
            public HomeFragment() {
  0
            public View onCreateView(LayoutInflater inflater, ViewGroup container,
  9
```

FirstFragment:

```
        ♣ fragment_second.xml ×
        ■ MainActivity.java ×

                                                                                                acolors.xml ×
                                                                                                                 📇 fraç
                                                🚚 fragment_home.xml 🗵
                                                                         activity_main.xml ×
        package com.example.fragmentsruntime;
        public class FirstFragment extends Fragment {
            private Button button;
            public FirstFragment() {
            public View onCreateView(LayoutInflater inflater, ViewGroup container,
                                        Bundle savedInstanceState) {
```

Uruchom aplikację.

