



Experiment 7

1.Design (XML File)

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

    <TextView
        android:id="@+id/textView"
        android:layout_width="212dp"
        android:layout_height="40dp"
        android:gravity="center"
        android:text="Compostion of food "
        android:textColor="#900101"
        android:textSize="20sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.044" />

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="189dp"
        android:layout_height="172dp"
        android:layout_marginStart="16dp"
        android:layout_marginTop="113dp"
        android:layout_marginEnd="54dp"
        android:layout_marginBottom="25dp"
        app:layout_constraintBottom_toTopOf="@+id/fragmentContainerView"
        app:layout_constraintEnd_toStartOf="@+id/imageView2"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/burger"
```

```

        android:onClick="changefragment"/>

<ImageView
    android:id="@+id/imageView2"
    android:layout_width="173dp"
    android:layout_height="176dp"
    android:layout_marginEnd="37dp"
    app:layout_constraintBottom_toBottomOf="@+id/imageView"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@+id/imageView"
    app:layout_constraintTop_toTopOf="@+id/imageView"
    app:srcCompat="@drawable/img"
    android:onClick="changefragment"/>

<androidx.fragment.app.FragmentContainerView
    android:id="@+id/fragmentContainerView"
    android:name="com.example.experiment7_0223.Fragment1"
    android:layout_width="387dp"
    android:layout_height="377dp"
    android:layout_marginStart="14dp"
    android:layout_marginEnd="14dp"
    android:layout_marginBottom="83dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/imageView" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

2.JAVA File

```

package com.example.experiment7_0223;

import androidx.appcompat.app.AppCompatActivity;
import androidx.fragment.app.Fragment;
import androidx.fragment.app.FragmentContainerView;
import androidx.fragment.app.FragmentManager;
import androidx.fragment.app.FragmentTransaction;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;

public class MainActivity extends AppCompatActivity {
    ImageView imageView;
    ImageView imageView2;
    FragmentContainerView fragmentContainerView;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        imageView=findViewById(R.id.imageView);
        imageView2=findViewById(R.id.imageView2);
    }
}

```

```

        fragmentContainerView=findViewById(R.id.fragmentContainerView);

    }

    public void changefragment(View view) {
        Fragment fr;
        FragmentManager fm=getSupportFragmentManager();
        FragmentTransaction ft=fm.beginTransaction();
        if(view == findViewById(R.id.imageView))
        {
            fr=new Fragment1();
            ft.replace(R.id.fragmentContainerView, fr);
            ft.commit();
        }
        if (view == findViewById(R.id.imageView2)) {
            fr=new Fragment2();
            ft.replace(R.id.fragmentContainerView, fr);
            ft.commit();
        }
    }
}

```

fragment_1.xml

```

<?xml version="1.0" encoding="utf-8"?>
<FrameLayout 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=".Fragment1">

    <!-- TODO: Update blank fragment layout -->

    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="match_parent"
        android:layout_height="397dp"
        android:gravity="center"
        android:text="Burger\n Calories:295 calories\nFat:14g\n
Protein:17g"
        android:textColor="#161EB5"
        android:textSize="20sp"
        android:textStyle="bold" />

</FrameLayout>

```

Burger
Calories:295 calories
Fat:14g
Protein:17g

fragment_2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout 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=".Fragment2">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="match_parent"
        android:layout_height="339dp"
        android:gravity="center"
        android:text="Pizza\nCalories:266 calories\nFat:10g\n Protein:11g"
        android:textColor="#161EB5"
        android:textSize="20sp"
        android:textStyle="bold" />

</FrameLayout>
```

Pizza
Calories:266 calories
Fat:10g
Protein:11g

3. Output in the emulator



Experime...



