

NAME: AKSHATA

ROLLNO:20211CSE0208

SECTION:5CSE-4

EXPERIMENT-7: NUTRITION DETAILS OF PIZZA, BURGER USING FRAGMENTS

1.ACTIVITYMAIN.XML:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="#9067DA"
tools:context=".MainActivity">

    <ImageView
        android:id="@+id/burgerBtn"
        android:layout_width="168dp"
        android:layout_height="145dp"
        android:layout_marginTop="124dp"
        android:onClick="changeFragment"
        app:layout_constraintEnd_toStartOf="@+id/pizzaBtn"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/burger" />

    <ImageView
        android:id="@+id/pizzaBtn"
        android:layout_width="184dp"
        android:layout_height="148dp"
        android:layout_marginTop="124dp"
        android:onClick="changeFragment"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toEndOf="@+id/burgerBtn"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/pizza" />

    <androidx.fragment.app.FragmentContainerView
        android:id="@+id/fragmentContainerView2"
        android:name="com.example.fragments.BlankFragment"
        android:layout_width="306dp"
        android:layout_height="309dp"
        android:background="#FFFFFF"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.495"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.962" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:background="#E1DADB"
```

```

        android:fontFamily="sans-serif-black"
        android:text="ZOMATO"
        android:textColor="#D8132A"
        android:textSize="64sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.0" />

```

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

2.MAINACTIVITY.JAVA:

```

package com.example.fragments;

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

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    public void changeFragment(View v){
        Fragment frag;
        FragmentManager fm = getSupportFragmentManager();
        FragmentTransaction ft = fm.beginTransaction();
        if(v==findViewById(R.id.burgerBtn)){
            frag = new BlankFragment();
            ft.replace(R.id.fragmentContainerView2,frag);
            ft.commit();
        }
        if(v==findViewById(R.id.pizzaBtn)){
            frag = new BlankFragment2();
            ft.replace(R.id.fragmentContainerView2,frag);
            ft.commit();
        }
    }
}

```

3.FRAGMENT1.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"
    android:background="#BF9000"
    tools:context="BlankFragment">

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

```

```

        android:background="#07FFC5"
        android:gravity="center_vertical"
        android:text="Burger Details\nCalories:354\nFat:18g\nProtein:22g"
        android:textAlignment="center"
        android:textSize="24dp"
        android:textStyle="bold"
        tools:ignore="RtlCompat" />

```

</FrameLayout>

4.FRAGMENT1.JAVA:

```

package com.example.fragments;
import android.os.Bundle;
import androidx.fragment.app.Fragment;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
/**
 * A simple {@link Fragment} subclass.
 * Use the {@link BlankFragment#newInstance} factory method to
 * create an instance of this fragment.
 */
public class BlankFragment extends Fragment {
    // TODO: Rename parameter arguments, choose names that match
    // the fragment initialization parameters, e.g. ARG_ITEM_NUMBER
    private static final String ARG_PARAM1 = "param1";
    private static final String ARG_PARAM2 = "param2";
    // TODO: Rename and change types of parameters
    private String mParam1;
    private String mParam2;
    public BlankFragment() {
        // Required empty public constructor
    }
    /**
     * Use this factory method to create a new instance of
     * this fragment using the provided parameters.
     *
     * @param param1 Parameter 1.
     * @param param2 Parameter 2.
     * @return A new instance of fragment BlankFragment.
     */
    // TODO: Rename and change types and number of parameters
    public static BlankFragment newInstance(String param1, String param2) {
        BlankFragment fragment = new BlankFragment();
        Bundle args = new Bundle();
        args.putString(ARG_PARAM1, param1);
        args.putString(ARG_PARAM2, param2);
        fragment.setArguments(args);
        return fragment;
    }
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        if (getArguments() != null) {
            mParam1 = getArguments().getString(ARG_PARAM1);
            mParam2 = getArguments().getString(ARG_PARAM2);
        }
    }
    @Override

```

```

    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                             Bundle savedInstanceState) {
        // Inflate the layout for this fragment
        return inflater.inflate(R.layout.fragment_blank1, container,
false);
    }
}

```

5.FRAGMENT2.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"
    android:background="#38761d"
    tools:context="BlankFragment2">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="#FFEB3B"
        android:gravity="center_vertical"
        android:text="Pizza Details\nCalories:285\nFat:10g\nProtein:12g"
        android:textAlignment="center"
        android:textSize="24dp"
        android:textStyle="bold"
        tools:ignore="RtlCompat" />

</FrameLayout>

```

6.FRAGMENT2.JAVA:

```

package com.example.fragments;
import android.os.Bundle;
import androidx.fragment.app.Fragment;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
/**
 * A simple {@link Fragment} subclass.
 * Use the {@link BlankFragment2#newInstance} factory method to
 * create an instance of this fragment.
 */
public class BlankFragment2 extends Fragment {
    // TODO: Rename parameter arguments, choose names that match
    // the fragment initialization parameters, e.g. ARG_ITEM_NUMBER
    private static final String ARG_PARAM1 = "param1";
    private static final String ARG_PARAM2 = "param2";
    // TODO: Rename and change types of parameters
    private String mParam1;
    private String mParam2;
    public BlankFragment2() {
        // Required empty public constructor
    }
    /**
     * Use this factory method to create a new instance of
     * this fragment using the provided parameters.
     *

```

```

    * @param param1 Parameter 1.
    * @param param2 Parameter 2.
    * @return A new instance of fragment BlankFragment2.
    */
    // TODO: Rename and change types and number of parameters
    public static BlankFragment2 newInstance(String param1, String param2)
    {
        BlankFragment2 fragment = new BlankFragment2();
        Bundle args = new Bundle();
        args.putString(ARG_PARAM1, param1);
        args.putString(ARG_PARAM2, param2);
        fragment.setArguments(args);
        return fragment;
    }
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        if (getArguments() != null) {
            mParam1 = getArguments().getString(ARG_PARAM1);
            mParam2 = getArguments().getString(ARG_PARAM2);
        }
    }
    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                             Bundle savedInstanceState) {
        // Inflate the layout for this fragment
        return inflater.inflate(R.layout.fragment_blank4, container,
false);
    }
}

```

7.OUTPUT:

