LAYOUT XML:

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/relLayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/t1"  
 tools:context=".MainActivity"**>  
  
*<!-- <TextView-->  
<!-- android:id="@+id/textView"-->  
<!-- android:layout\_width="298dp"-->  
<!-- android:layout\_height="44dp"-->  
<!-- android:scaleType="centerCrop"-->  
<!-- android:text="TRAVEL DIARIES"-->  
<!-- android:textColor="#FBFAFA"-->  
<!-- android:textSize="36sp"-->  
<!-- android:textStyle="bold"-->  
<!--&lt;!&ndash; app:layout\_constraintBottom\_toBottomOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintHorizontal\_bias="0.496"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintLeft\_toLeftOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintRight\_toRightOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintTop\_toTopOf="parent"&ndash;&gt;-->  
  
<!--&lt;!&ndash; app:layout\_constraintVertical\_bias="0.004" />&ndash;&gt;-->  
  
<!-- <ImageView-->  
<!-- android:id="@+id/img1"-->  
<!-- android:layout\_width="250dp"-->  
<!-- android:layout\_height="150dp"-->  
<!-- android:scaleType="centerCrop"-->  
<!--&lt;!&ndash; app:layout\_constraintBottom\_toBottomOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintEnd\_toEndOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintHorizontal\_bias="0.0"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintStart\_toStartOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintTop\_toTopOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintVertical\_bias="0.113"&ndash;&gt;-->  
<!-- app:srcCompat="@drawable/t2" />-->  
  
<!-- &lt;!&ndash; app:layout\_constraintBottom\_toBottomOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintEnd\_toEndOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintHorizontal\_bias="0.0"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintStart\_toStartOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintTop\_toTopOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintVertical\_bias="0.402"&ndash;&gt;-->  
<!-- app:srcCompat="@drawable/t3" />-->  
  
<!-- <ImageView-->  
<!-- android:id="@+id/img3"-->  
<!-- android:layout\_width="250dp"-->  
<!-- android:layout\_height="150dp"-->  
<!-- android:scaleType="centerCrop"-->  
<!--&lt;!&ndash; app:layout\_constraintBottom\_toBottomOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintEnd\_toEndOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintHorizontal\_bias="0.0"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintStart\_toStartOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintTop\_toTopOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintVertical\_bias="0.7"&ndash;&gt;-->  
<!-- app:srcCompat="@drawable/t4" />-->  
  
<!-- <ImageView-->  
<!-- android:id="@+id/img4"-->  
<!-- android:layout\_width="250dp"-->  
<!-- android:layout\_height="150dp"-->  
<!-- android:scaleType="centerCrop"-->  
  
<!-- <ImageView-->  
<!-- android:id="@+id/img2"-->  
<!-- android:layout\_width="250dp"-->  
<!-- android:layout\_height="150dp"-->  
<!-- android:scaleType="centerCrop"-->  
<!-- &lt;!&ndash; app:layout\_constraintBottom\_toBottomOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintEnd\_toEndOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintHorizontal\_bias="0.0"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintStart\_toStartOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintTop\_toTopOf="parent"&ndash;&gt;-->  
<!--&lt;!&ndash; app:layout\_constraintVertical\_bias="1.0"&ndash;&gt;-->  
  
<!-- app:srcCompat="@drawable/t5" />-->* <**TextView  
 android:id="@+id/textView2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="82dp"  
 android:text="TRAVEL DAIRIES"  
 android:textAlignment="center"  
 android:textColor="#FFFFFF"  
 android:textSize="36sp"** />  
  
 <**ImageView  
 android:id="@+id/img1"  
 android:layout\_width="250dp"  
 android:layout\_height="150dp"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginLeft="-1dp"  
 android:layout\_marginTop="86dp"  
 app:srcCompat="@drawable/t2"** />  
  
 <**ImageView  
 android:id="@+id/img2"  
 android:layout\_width="250dp"  
 android:layout\_height="150dp"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginLeft="-3dp"  
 android:layout\_marginTop="242dp"  
 app:srcCompat="@drawable/t3"** />  
  
 <**ImageView  
 android:id="@+id/img3"  
 android:layout\_width="250dp"  
 android:layout\_height="150dp"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginLeft="0dp"  
 android:layout\_marginTop="408dp"  
 app:srcCompat="@drawable/t4"** />  
  
 <**ImageView  
 android:id="@+id/img4"  
 android:layout\_width="250dp"  
 android:layout\_height="150dp"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginLeft="7dp"  
 android:layout\_marginTop="565dp"  
 app:srcCompat="@drawable/t5"** />  
</**RelativeLayout**>

JAVA CODE:

**package** com.example.lab10;  
**import** android.graphics.Color;  
**import** android.os.Bundle;  
**import** android.view.ContextMenu;  
**import** android.view.MenuItem;  
**import** android.view.View;  
**import** android.widget.ImageView;  
**import** android.widget.RelativeLayout;  
**import** android.widget.TextView;  
**import** androidx.appcompat.app.AppCompatActivity;  
**public class** MainActivity **extends** AppCompatActivity {  
  
 TextView **textView**;  
 ImageView **i1**,**i2**,**i3**,**i4**;  
  
 RelativeLayout **relativeLayout**;  
 *// private Object ImageView;* @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 ImageView i1 = (ImageView) findViewById(R.id.***img1***);  
 ImageView i2 = (ImageView) findViewById(R.id.***img2***);  
 ImageView i3 = (ImageView) findViewById(R.id.***img3***);  
 ImageView i4 = (ImageView) findViewById(R.id.***img4***);  
 **relativeLayout** = (RelativeLayout) findViewById(R.id.***relLayout***);  
 registerForContextMenu(i1);  
 registerForContextMenu(i2);  
 registerForContextMenu(i3);  
 registerForContextMenu(i4);  
 }  
 @Override  
 **public void** onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuInfo menuInfo) {  
 **super**.onCreateContextMenu(menu, v, menuInfo);  
 menu.setHeaderTitle(**"Choose a color"**);  
 menu.add(0, v.getId(), 0, **"Yellow"**);  
 menu.add(0, v.getId(), 0, **"Gray"**);  
 menu.add(0, v.getId(), 0, **"Cyan"**);  
 }  
 @Override  
 **public boolean** onContextItemSelected(MenuItem item) {  
  
 **if** (item.getTitle() == **"Yellow"**) {  
 **relativeLayout**.setBackgroundColor(Color.***YELLOW***);  
 } **else if** (item.getTitle() == **"Gray"**) {  
 **relativeLayout**.setBackgroundColor(Color.***GRAY***);  
 } **else if** (item.getTitle() == **"Cyan"**) {  
 **relativeLayout**.setBackgroundColor(Color.***CYAN***);  
 }  
  
 **return true**;  
 }  
}

MANIFEST CODE:

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.lab10"**>  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.LAB10"**>  
 <**activity android:name=".MainActivity"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 </**application**>  
  
</**manifest**>

SCREENSHOTS:



