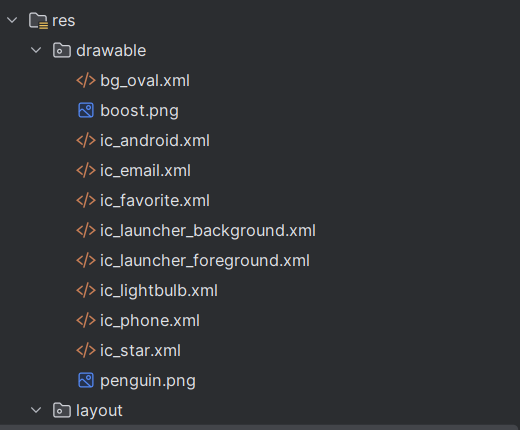


Các icon   


MainActivity.java

package com.example.bai8;  
  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.content.ContextCompat;  
  
import android.graphics.PorterDuff;  
import android.os.Bundle;  
import android.widget.ImageView;  
  
import java.util.Random;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 ImageView backgroundImageView = findViewById(R.id.*backgroundImageView*);  
 ImageView iconImageView = findViewById(R.id.*iconImageView*);  
 setRandomBackgroundAndIcon(backgroundImageView, iconImageView);  
 }  
  
 private void setRandomBackgroundAndIcon(ImageView background, ImageView icon) {  
   
 int[] backgroundColors = new int[]{  
 R.color.*random\_color\_1*,  
 R.color.*random\_color\_2*,  
 R.color.*random\_color\_3*,  
 R.color.*random\_color\_4*,  
 R.color.*random\_color\_5* };  
   
 int[] icons = new int[]{  
 R.drawable.*ic\_star*,  
 R.drawable.*ic\_favorite*,  
 R.drawable.*ic\_android*,  
 R.drawable.*ic\_lightbulb* };  
   
 Random random = new Random();  
 int randomColorId = backgroundColors[random.nextInt(backgroundColors.length)];  
 int randomIconId = icons[random.nextInt(icons.length)];  
 int color = ContextCompat.*getColor*(this, randomColorId);  
 background.setBackgroundColor(color);  
 icon.setImageResource(randomIconId);  
 }  
}

colors.xml

<?xml version="1.0" encoding="utf-8"?>  
<resources>  
 <color name="purple\_200">#FFBB86FC</color>  
 <color name="purple\_500">#FF6200EE</color>  
 <color name="purple\_700">#FF3700B3</color>  
 <color name="teal\_200">#FF03DAC5</color>  
 <color name="teal\_700">#FF018786</color>  
 <color name="black">#FF000000</color>  
 <color name="white">#FFFFFFFF</color>  
  
 <color name="gray\_light">#FAFAFA</color>  
 <color name="gray\_dark">#535353</color>  
 <color name="gray\_mid">#9D9797</color>  
 <color name="indigo">#424FB7</color>  
 <color name="random\_color\_1">#E57373</color> <!-- Red -->  
 <color name="random\_color\_2">#81C784</color> <!-- Green -->  
 <color name="random\_color\_3">#64B5F6</color> <!-- Blue -->  
 <color name="random\_color\_4">#FFD54F</color> <!-- Amber -->  
 <color name="random\_color\_5">#BA68C8</color> <!-- Purple -->  
</resources>

Strings.xml

<resources>  
 <string name="app\_name">Bai8</string>  
 <string name="txt\_name">LeHuynhNhut</string>  
 <string name="txt\_email">LeHuynhNhut@example.com</string>  
 <string name="txt\_phone1">(650) 555-1234</string>  
 <string name="txt\_title\_mobile">Mobile</string>  
 <string name="txt\_phone2">(323) 555-6789</string>  
</resources>

Activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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/main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@color/gray\_light"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
   
 <FrameLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="350dp">  
  
 <ImageView  
 android:id="@+id/backgroundImageView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="300dp"  
 android:scaleType="centerCrop"  
 android:src="@drawable/penguin"  
 tools:ignore="ContentDescription" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="bottom"  
 android:layout\_marginStart="70dp"  
 android:layout\_marginBottom="90dp"  
 android:fontFamily="sans-serif"  
 android:text="@string/txt\_name"  
 android:textColor="@color/white"  
 android:textSize="40sp" />  
  
 <ImageView  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 android:layout\_gravity="end|bottom"  
 android:layout\_marginEnd="20dp"  
 android:layout\_marginBottom="10dp"  
 android:background="@drawable/bg\_oval"  
 android:padding="20dp"  
 android:src="@drawable/boost"  
 app:tint="@color/indigo"  
 tools:ignore="ContentDescription" />  
  
  
 <ImageView  
 android:id="@+id/iconImageView"  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 android:layout\_gravity="end|bottom"  
 android:layout\_marginEnd="20dp"  
 android:layout\_marginBottom="10dp"  
 android:background="@drawable/bg\_oval"  
 android:padding="20dp"  
 android:src="@drawable/ic\_star"  
 app:tint="@color/indigo"  
 tools:ignore="ContentDescription" />  
 </FrameLayout>  
  
  
 <!-- Phần thông tin Email -->  
 <TableRow  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:padding="20dp">  
  
 <ImageView  
 android:layout\_width="60dp"  
 android:layout\_height="60dp"  
 android:padding="10dp"  
 android:src="@drawable/ic\_email"  
 app:tint="@color/indigo"  
 tools:ignore="ContentDescription" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginStart="30dp"  
 android:orientation="vertical">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/txt\_email"  
 android:textColor="@color/gray\_dark"  
 android:textSize="20sp" />  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:text="Email"  
 android:textColor="@color/gray\_mid"  
 android:textSize="18sp" />  
 </LinearLayout>  
 </TableRow>  
  
 <View  
 android:layout\_width="match\_parent"  
 android:layout\_height="0.5dp"  
 android:layout\_marginTop="30dp"  
 android:background="@color/gray\_mid" />  
  
   
 <TableRow  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:padding="20dp">  
  
 <ImageView  
 android:layout\_width="60dp"  
 android:layout\_height="60dp"  
 android:padding="10dp"  
 android:src="@drawable/ic\_phone"  
 app:tint="@color/indigo"  
 tools:ignore="ContentDescription" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginStart="30dp"  
 android:orientation="vertical">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/txt\_phone1"  
 android:textColor="@color/gray\_dark"  
 android:textSize="20sp" />  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:text="@string/txt\_title\_mobile"  
 android:textColor="@color/gray\_mid"  
 android:textSize="18sp" />  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="30dp"  
 android:text="@string/txt\_phone2"  
 android:textColor="@color/gray\_dark"  
 android:textSize="20sp" />  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:text="@string/txt\_title\_mobile"  
 android:textColor="@color/gray\_mid"  
 android:textSize="18sp" />  
 </LinearLayout>  
 </TableRow>  
  
</LinearLayout>