



SNACK BAR IN ANDROID STUDIO

Add the dependencies below to your build.gradle (Module:app) and resynchronize your project.

```
implementation 'com.android.support:appcompat-v7:28.0.0-alpha1'
```

```
implementation 'com.android.support:design:28.0.0-alpha1'
```

build.gradle (Module:app)

```
apply plugin: 'com.android.application'
```

```
android {  
    compileSdkVersion 28  
    buildToolsVersion "28.0.2"  
    defaultConfig {  
        applicationId "robert.karamagi.snackbar"  
        minSdkVersion 15  
        targetSdkVersion 28  
        versionCode 1  
        versionName "1.0"  
        testInstrumentationRunner "android.support.test.runner.AndroidJUnitRunner"  
    }  
}
```

```

buildTypes {
    release {
        minifyEnabled false
        proguardFiles getDefaultProguardFile('proguard-android.txt'), 'proguard-
rules.pro'
    }
}
}

```

```

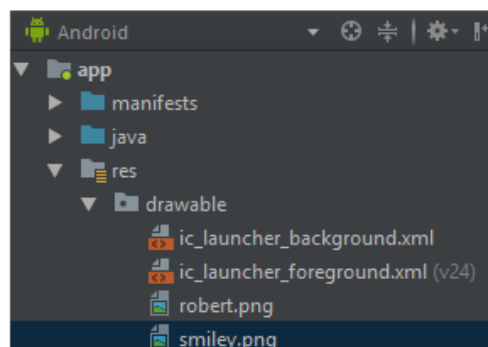
dependencies {
    implementation fileTree(dir: 'libs', include: ['*.jar'])
    implementation 'com.android.support:appcompat-v7:28.0.0-alpha1'
    implementation 'com.android.support.constraint:constraint-layout:1.1.3'
    testImplementation 'junit:junit:4.12'
    androidTestImplementation 'com.android.support.test:runner:1.0.2'
    androidTestImplementation 'com.android.support.test.espresso:espresso-
core:3.0.2'
    implementation 'com.android.support:design:28.0.0-alpha1'
}

```

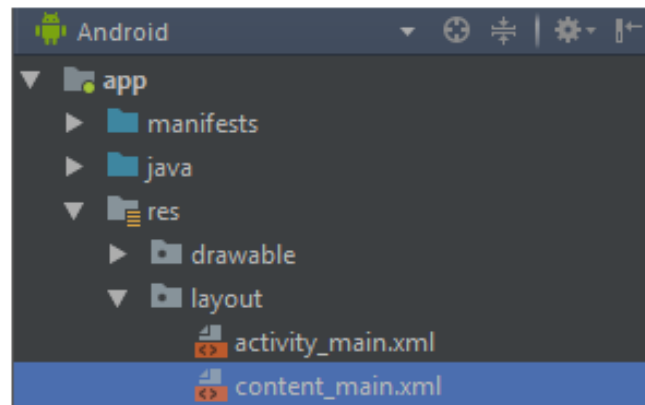
Add the “smiley.png” image to your drawable folder for the custom snack bar.



The layout for your drawable folder is shown next.



Create a New Layout resource file and name it content_main.xml as shown.



content_main.xml [Text]

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

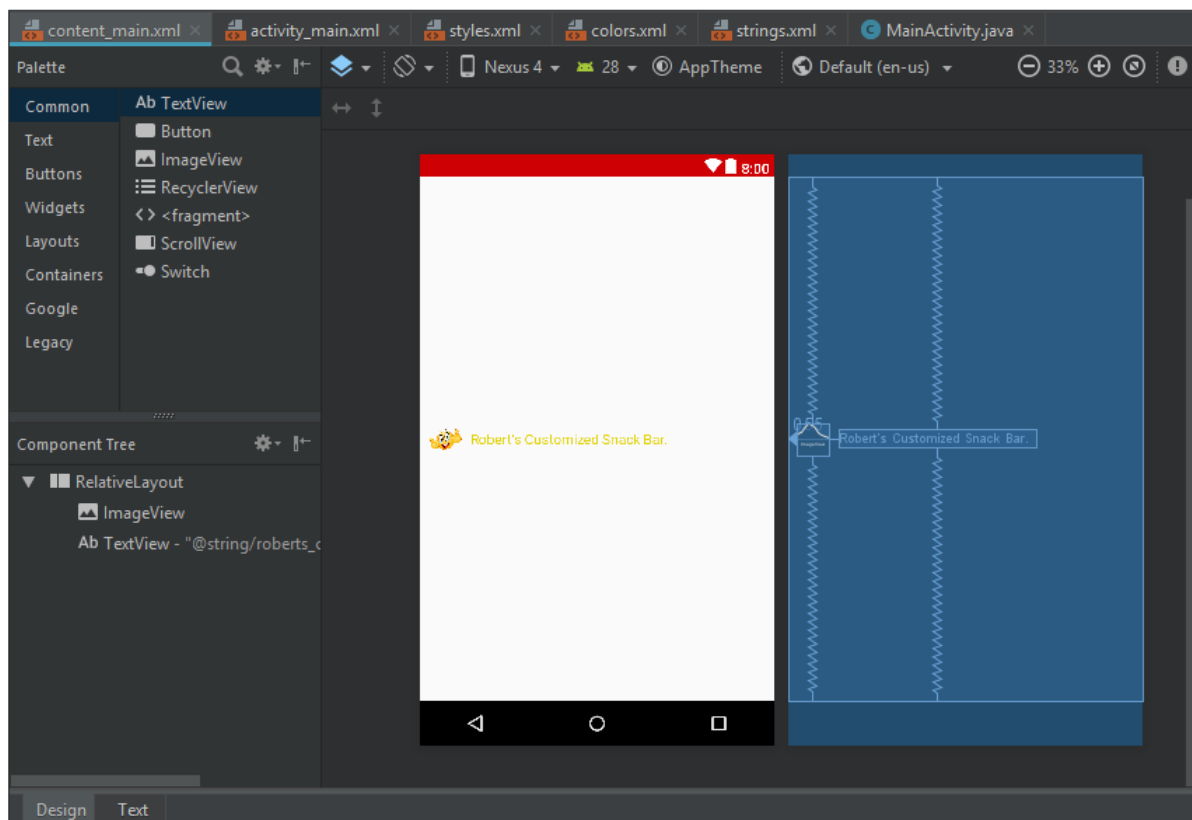
    <ImageView
        android:layout_width="35dp"
        android:layout_height="35dp"
        android:layout_alignParentStart="true"
        android:layout_centerVertical="true"
        android:layout_marginStart="10dp"
        android:contentDescription="@string/todo"
        android:src="@drawable/smiley"
        android:layout_alignParentLeft="true"
        android:layout_marginLeft="10dp" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
android:layout_alignParentStart="true"
android:layout_centerVertical="true"
android:layout_marginStart="55dp"
android:text="@string/roberts_customized_snack_bar"
android:textColor="@color/customcolor"
android:textSize="15sp"
android:layout_alignParentLeft="true"
android:layout_marginLeft="55dp" />
```

</RelativeLayout>

content_main.xml [Design]



activity_main.xml [Text]

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.design.widget.CoordinatorLayout
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:fitsSystemWindows="true"
android:id="@+id/coordinatorLayout"
tools:context=".MainActivity">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        >

        <Button
            android:id="@+id/showSnackbarButton"
            android:layout_width="280dp"
            android:layout_height="50dp"
            android:layout_marginTop="50dp"
            android:layout_centerHorizontal="true"
            android:text="@string/show_snack_bar"
            android:textSize="15sp"
            />

        <Button
            android:id="@+id/showCustomSnackbarButton"
            android:layout_width="280dp"
```

```
android:layout_height="50dp"
android:layout_marginTop="150dp"
android:layout_centerHorizontal="true"
android:text="@string/show_custom_snack_bar"
android:textSize="15sp"/>
```

<Button

```
android:id="@+id/showCustomViewSnackbarButton"
android:layout_width="280dp"
android:layout_height="50dp"
android:layout_marginTop="250dp"
android:layout_centerHorizontal="true"
android:text="@string/show_custom_view_snack_bar"
android:textSize="15sp"/>
```

<android.support.design.widget.CoordinatorLayout

```
android:layout_width="match_parent"
android:layout_height="wrap_content">
```

<!-- To show snackbar near source widget, you need to wrap the widget use

CoordinatorLayout. -->

<RelativeLayout

```
android:layout_width="match_parent"
android:layout_height="wrap_content">
```

<Button

```
android:id="@+id/showSnackbarHereButton"
android:layout_width="280dp"
android:layout_height="50dp"
android:layout_marginTop="350dp"
android:layout_centerHorizontal="true"
android:text="@string/show_snack_bar_here"
android:textSize="15sp"/>
```

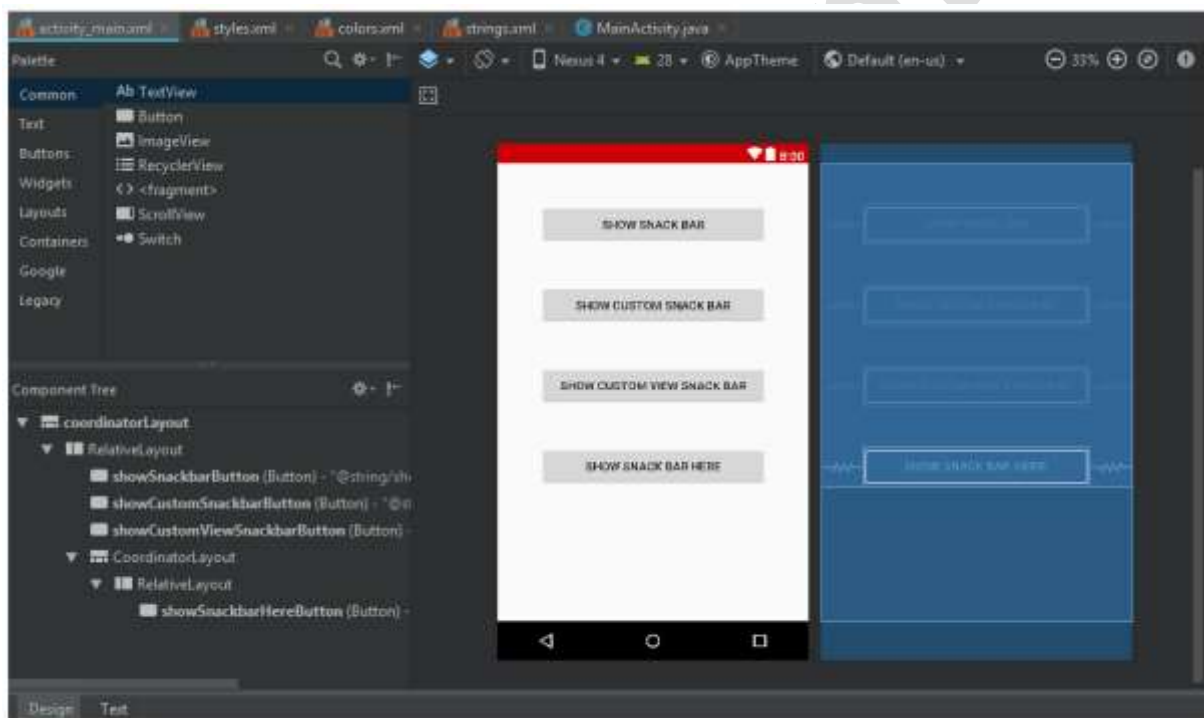
```
</RelativeLayout>
```

```
</android.support.design.widget.CoordinatorLayout>
```

```
</RelativeLayout>
```

```
</android.support.design.widget.CoordinatorLayout>
```

activity_main.xml [Design]



MainActivity.java

```
package robert.karamagi.snackbar;
```

```
import android.graphics.Color;
```

```
import android.os.Bundle;
```

```
import android.support.design.widget.CoordinatorLayout;
```

```
import android.support.design.widget.Snackbar;
import android.support.v7.app.AlertDialog;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    CoordinatorLayout coordinatorLayout;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        setTitle("Android Snack Bar");

        this.showSnackbar();

        this.showCustomSnackbar();

        this.showCustomViewSnackbar();

        this.showSnackbarHere();

        coordinatorLayout = findViewById(R.id.coordinatorLayout);

    }
```



```

// A standard usage of android Snackbar.
private void showSnackbar()
{
    Button showSnackbarButton = findViewById(R.id.showSnackbarButton);

    showSnackbarButton.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            // Create a Snackbar instance, the message is displayed at the left side.
            Snackbar snackbar = Snackbar.make(view, "This is a Snack Bar.",
Snackbar.LENGTH_LONG);
            // Set button with text Open at right side..
            snackbar.setAction("Run", new View.OnClickListener() {
                @Override
                public void onClick(View view) {
                    // When user click Open button, an AlertDialog will be displayed.
                    AlertDialog alertDialog = new
AlertDialog.Builder(MainActivity.this).create();
                    alertDialog.setMessage("Congrats. You have run the Snack Bar.");
                    alertDialog.show();
                }
            });

            // Set the Callback function.
            snackbar.setCallback(new Snackbar.Callback(){
                @Override
                public void onShown(Snackbar sb) {
                    Toast.makeText(MainActivity .this, "Snack Bar is shown.",
Toast.LENGTH_SHORT).show();
                }

                @Override

```

```

        public void onDismissed(Snackbar transientBottomBar, int event) {
            Toast.makeText(MainActivity .this, "Snack Bar is dismissed.",
Toast.LENGTH_SHORT).show();
        }
    });

    // Show it at screen bottom.
    snackbar.show();
}
});
}

// Custom Snackbar.
private void showCustomSnackbar()
{
    Button showCustomSnackbarButton =
findViewById(R.id.showCustomSnackbarButton);

    showCustomSnackbarButton.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Snackbar snackbar = Snackbar.make(view, "You have 1 new notification.",
Snackbar.LENGTH_LONG);
            snackbar.setAction("Show", new View.OnClickListener() {
                @Override
                public void onClick(View view) {
                    Snackbar snackbar1 = Snackbar.make(coordinatorLayout, "You have
opened the Custom Snack Bar.", Snackbar.LENGTH_SHORT);

                    snackbar1.setActionTextColor(Color.parseColor("#FFAE0306"));

```

```
        Snackbar.SnackbarLayout snackbarView1 =
(Snackbar.SnackbarLayout)snackbar1.getView();
        snackbarView1.setBackgroundColor(Color.parseColor("#FFE600A1"));

        TextView messageTextView =
snackbarView1.findViewById(R.id.snackbar_text);
        messageTextView.setTextColor(Color.parseColor("#FF030091"));
        messageTextView.setTextSize(15);

        snackbar1.show();
    }
});

// Set action text color.
snackbar.setActionTextColor(Color.parseColor("#FFAE0306"));

// Get Snackbar view.
Snackbar.SnackbarLayout snackbarView =
(Snackbar.SnackbarLayout)snackbar.getView();

// Set background color.
snackbarView.setBackgroundColor(Color.parseColor("#FFE600A1"));

// Set message text color.
TextView messageTextView =
snackbarView.findViewById(R.id.snackbar_text);
        messageTextView.setTextColor(Color.parseColor("#FF030091"));
        messageTextView.setTextSize(15);

        snackbar.show();
    }
});
```

```

}

// Custom Snackbar view content from a layout xml file.
private void showCustomViewSnackbar()
{
    Button showCustomViewSnackbarButton =
findViewById(R.id.showCustomViewSnackbarButton);

    showCustomViewSnackbarButton.setOnClickListener(new
View.OnClickListener() {
        @Override
        public void onClick(View view) {
            // Create an instance.
            Snackbar snackbar = Snackbar.make(view, "", Snackbar.LENGTH_LONG);
            snackbar.setAction("Quote", new View.OnClickListener() {
                @Override
                public void onClick(View view) {
                    AlertDialog alertDialog = new AlertDialog.Builder(MainActivity
.this).create();
                    alertDialog.setMessage("Android Programming is fun.");
                    alertDialog.show();
                }
            });
            // Get the view object.
            Snackbar.SnackbarLayout snackbarView = (Snackbar.SnackbarLayout)
snackbar.getView();

            // Get custom view from external layout xml file.
            View customView = getLayoutInflater().inflate(R.layout.content_main, null);

            snackbarView.addView(customView, 0);

```

```

        snackbar.show();
    }
});
}

// Open a snackbar near the source widget..
private void showSnackbarHere()
{
    // The source widget need to be wrapped in a CoordinatorLayout xml element in
    layout xml file.

    Button showSnackbarHereButton =
    findViewById(R.id.showSnackbarHereButton);

    showSnackbarHereButton.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            // Create an instance.

            Snackbar snackbar = Snackbar.make(view, "The Snack Bar is shown near
            the source widget", Snackbar.LENGTH_LONG);
            snackbar.setAction("Open", new View.OnClickListener() {
                @Override
                public void onClick(View view) {
                    AlertDialog alertDialog = new AlertDialog.Builder(MainActivity
                    .this).create();

                    alertDialog.setMessage("Welcome to the Snack Bar.");
                    alertDialog.show();
                }
            });

            snackbar.show();
        }
    });
}

```

```
});  
}  
}
```

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
    package="robert.karamagi.snackbar">  
  
    <application  
        android:allowBackup="true"  
        android:icon="@drawable/robert"  
        android:label="@string/app_name"  
        android:supportsRtl="true"  
        android:theme="@style/AppTheme">  
        <activity  
            android:name=".MainActivity"  
            android:label="@string/app_name"  
            android:theme="@style/AppTheme">  
            <intent-filter>  
                <action android:name="android.intent.action.MAIN" />  
                <category android:name="android.intent.category.LAUNCHER" />  
            </intent-filter>  
        </activity>  
    </application>  
  
</manifest>
```

strings.xml

```
<resources>
    <string name="app_name">Snack Bar</string>
    <string name="todo">TODO</string>
    <string name="roberts_customized_snack_bar">Robert's Customized Snack
Bar.</string>
    <string name="show_snack_bar">Show Snack Bar</string>
    <string name="show_custom_snack_bar">Show Custom Snack Bar</string>
    <string name="show_custom_view_snack_bar">Show Custom View Snack
Bar</string>
    <string name="show_snack_bar_here">Show Snack Bar Here</string>
</resources>
```

colors.xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="colorPrimary">#ff6200</color>
    <color name="colorPrimaryDark">#cf0003</color>
    <color name="customcolor">#e2d302</color>
    <color name="colorAccent">#FF4081</color>
</resources>
```

styles.xml

```
<resources>

    <!-- Base application theme. -->
    <style name="AppTheme"
parent="Base.Theme.AppCompat.Light.DarkActionBar">
    <!-- Customize your theme here. -->
```

```
<item
name="coordinatorLayoutStyle">@style/Widget.Support.CoordinatorLayout</item>
  <item name="colorPrimary">@color/colorPrimary</item>
  <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
  <item name="colorAccent">@color/colorAccent</item>
</style>

</resources>
```

Robert Karamagi



Android Snack Bar

SHOW SNACK BAR

SHOW CUSTOM SNACK BAR

SHOW CUSTOM VIEW SNACK BAR

SHOW SNACK BAR HERE





Android Snack Bar

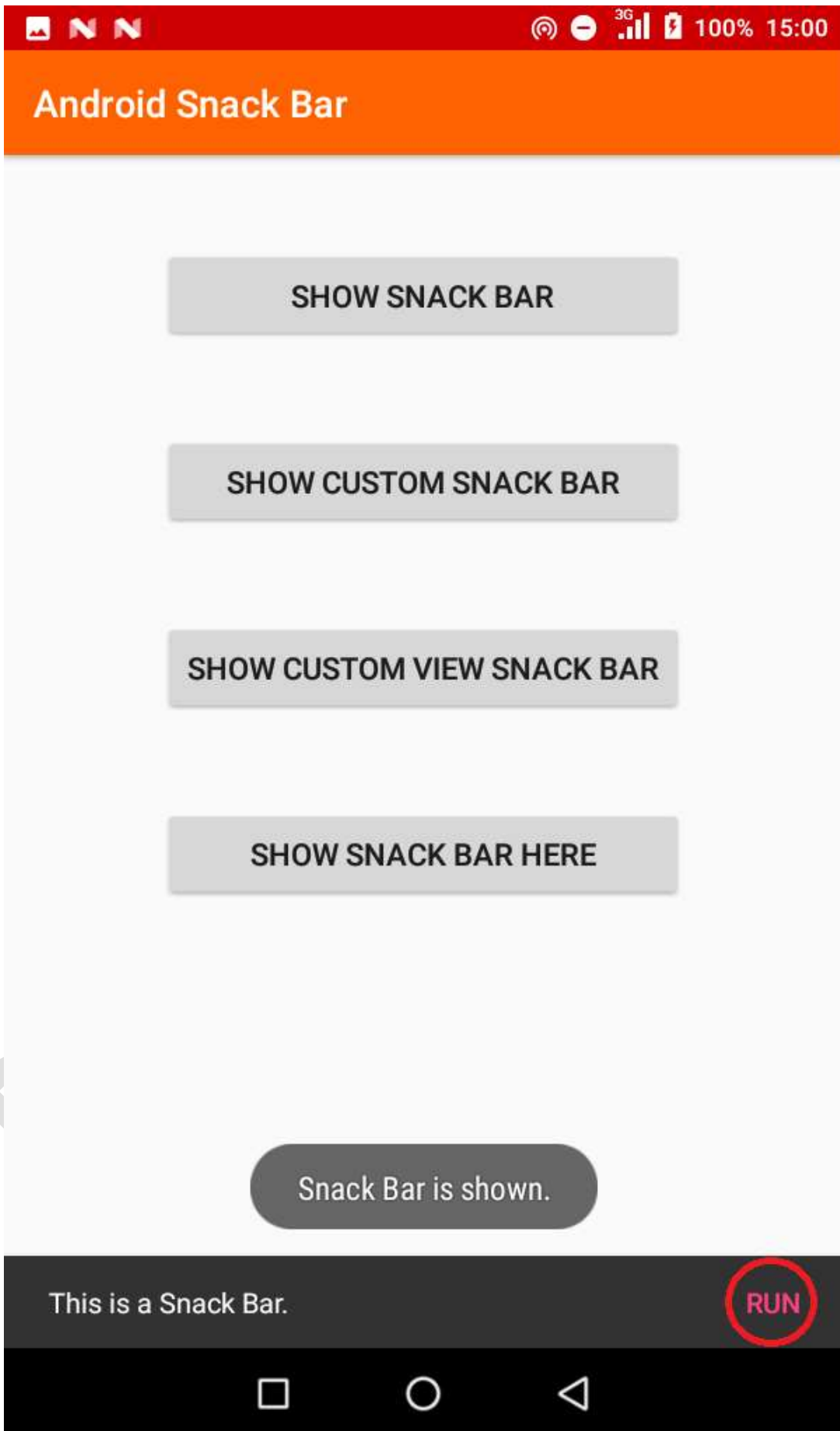
SHOW SNACK BAR

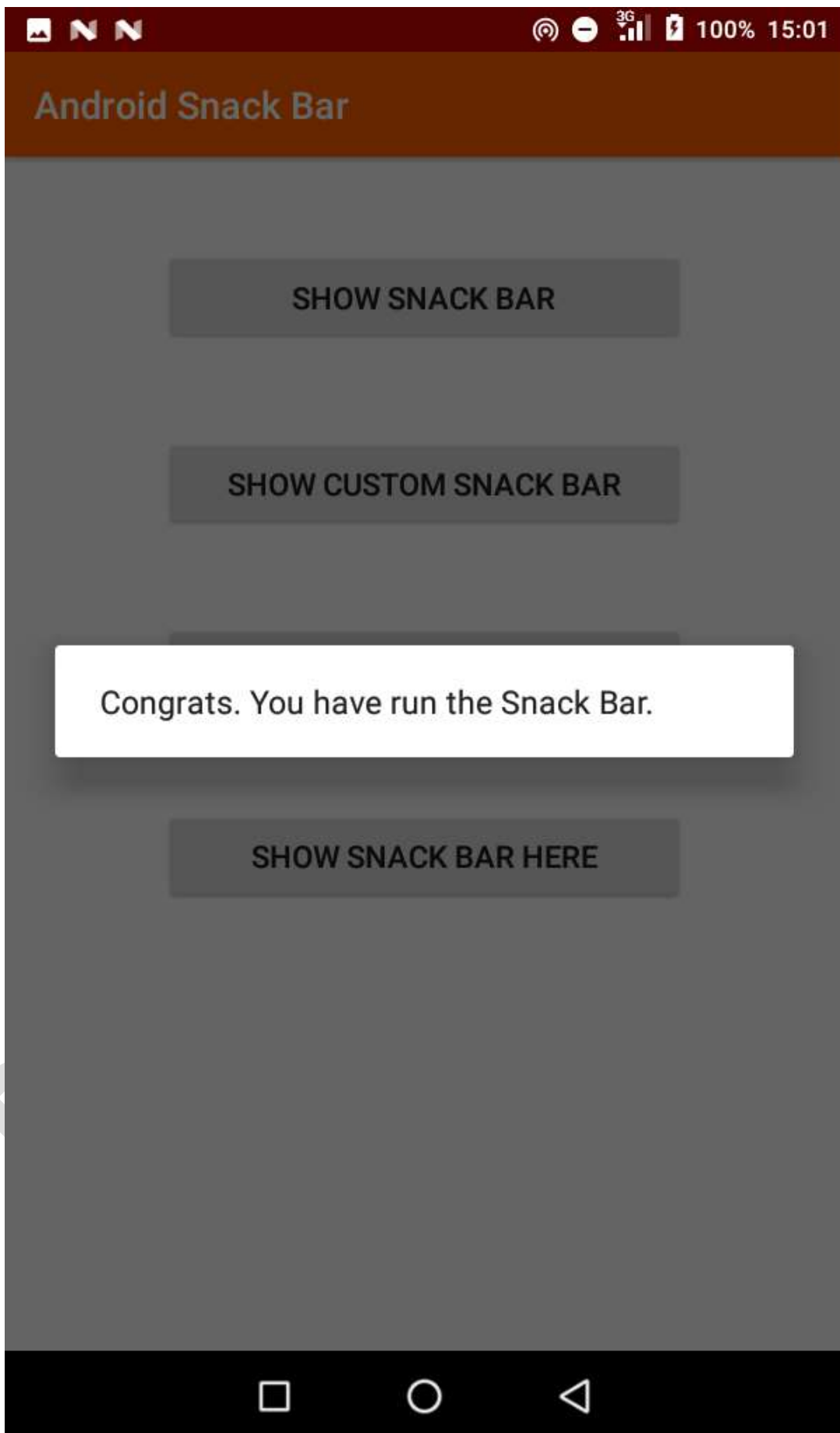
SHOW CUSTOM SNACK BAR

SHOW CUSTOM VIEW SNACK BAR

SHOW SNACK BAR HERE









3G 100% 15:01

Android Snack Bar

SHOW SNACK BAR

SHOW CUSTOM SNACK BAR

SHOW CUSTOM VIEW SNACK BAR

SHOW SNACK BAR HERE

Snack Bar is dismissed.





Android Snack Bar

SHOW SNACK BAR

SHOW CUSTOM SNACK BAR

SHOW CUSTOM VIEW SNACK BAR

SHOW SNACK BAR HERE





100% 15:01

Android Snack Bar

SHOW SNACK BAR

SHOW CUSTOM SNACK BAR

SHOW CUSTOM VIEW SNACK BAR

SHOW SNACK BAR HERE

You have 1 new notification.

SHOW





100% 15:01

Android Snack Bar

SHOW SNACK BAR

SHOW CUSTOM SNACK BAR

SHOW CUSTOM VIEW SNACK BAR

SHOW SNACK BAR HERE

You have opened the Custom Snack Bar.





Android Snack Bar

SHOW SNACK BAR

SHOW CUSTOM SNACK BAR

SHOW CUSTOM VIEW SNACK BAR

SHOW SNACK BAR HERE





Android Snack Bar

SHOW SNACK BAR

SHOW CUSTOM SNACK BAR

SHOW CUSTOM VIEW SNACK BAR

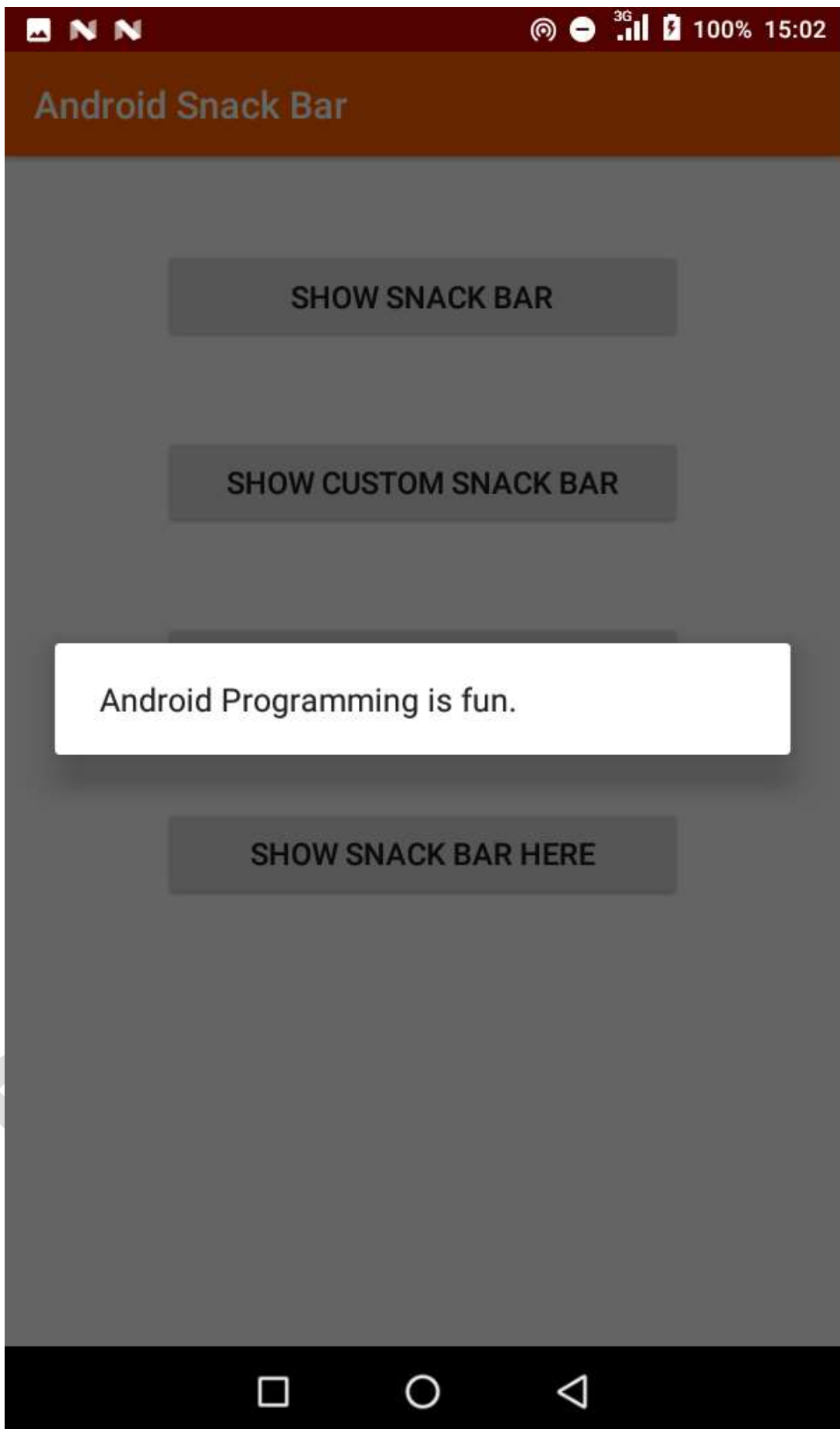
SHOW SNACK BAR HERE



Robert's Customized Snack Bar.

QUOTE







Android Snack Bar

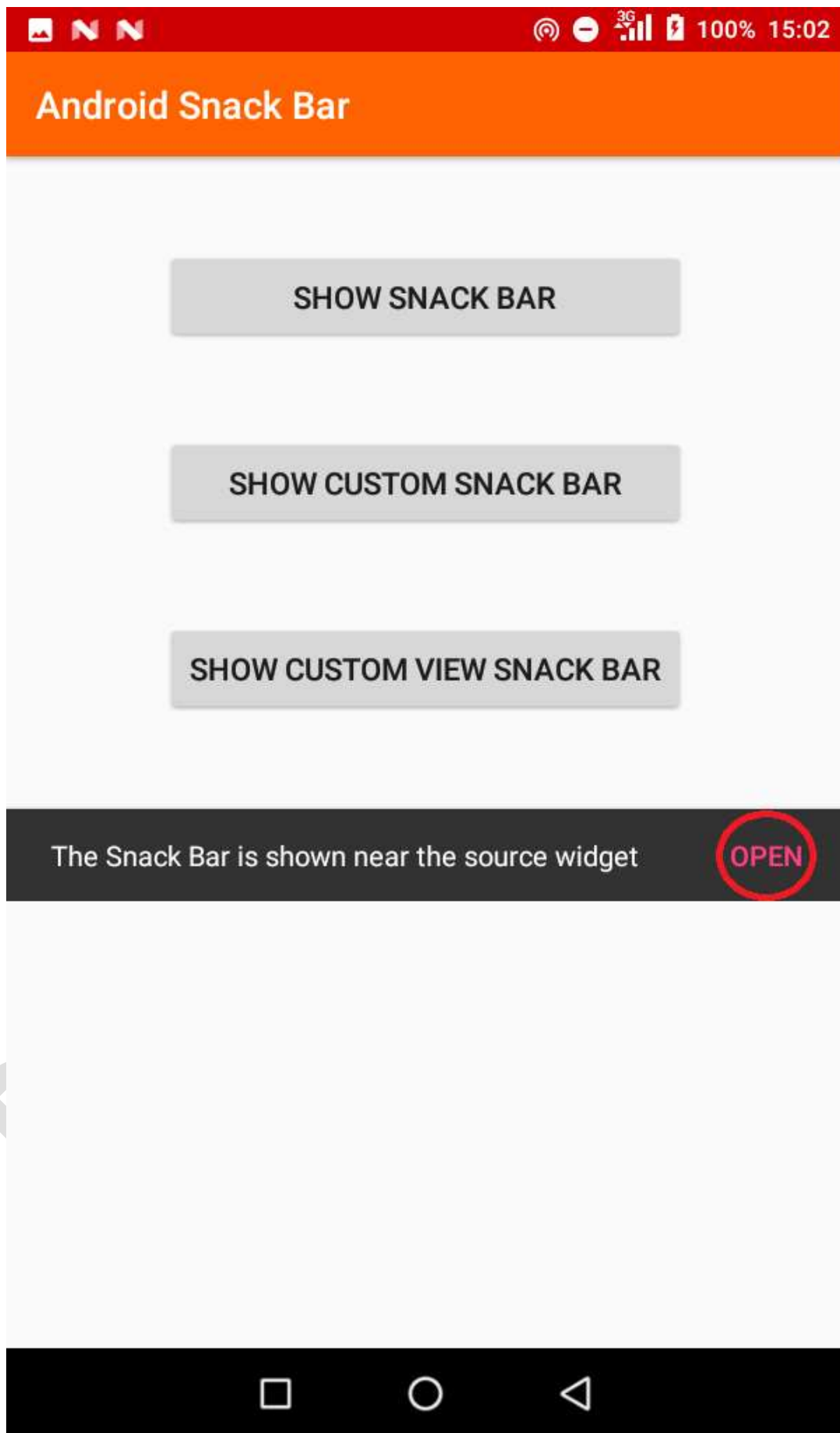
SHOW SNACK BAR

SHOW CUSTOM SNACK BAR

SHOW CUSTOM VIEW SNACK BAR

SHOW SNACK BAR HERE







100% 15:02

Android Snack Bar

SHOW SNACK BAR

SHOW CUSTOM SNACK BAR

Welcome to the Snack Bar.

SHOW SNACK BAR HERE

