## Código ANDROID

## MainActivity

```
import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.ListView;
public class MainActivity extends AppCompatActivity {
    @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.lista);
        String[] livros = {"Oraganização Estruturada de Computadores",
"Java como programar", "Treinamento em Linguagem C", "Algoritmos"};
        ListView Lista = (ListView) findViewById(R.id.lista);
        ArrayAdapter<String> ad = new ArrayAdapter<String>(this,
android.R.layout.simple list item 1, livros);
        Lista.setAdapter(ad);
        Button botaoNovo = (Button) findViewById(R.id.novo);
        botaoNovo.setOnClickListener(new View.OnClickListener() {
                                          @Override
                                         public void onClick(View v) {
                                              Intent intent = new
Intent (MainActivity.this, formActivity.class);
                                              startActivity(intent);
                                      }
        );
    }
}
FormActivity
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;
public class formActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.form);
        Button botaoGravar = (Button) findViewById(R.id.gravar);
        botaoGravar.setOnClickListener(new View.OnClickListener() {
            @Override
```

```
public void onClick(View v) {
                Toast.makeText(formActivity.this, "Salvo!",
Toast. LENGTH SHORT) . show();
                finish();
            }
        });
    }
DAO
import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
public class DAO extends SQLiteOpenHelper{
    public DAO(Context context) {
        super(context, "Lista", null, 1);
    @Override
    public void onCreate(SQLiteDatabase db) {
        String sql = "CREATE TABLE livros(id INTEGER PRIMARY KEY,
titulo TEXT NOT NULL, autor TEXT, editora TEXT, local TEXT, ano TEXT,
score REAL);";
        db.execSQL(sql);
    @Override
    public void onUpgrade(SQLiteDatabase db, int oldVersion, int
newVersion) {
    }
Manifests
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android">
    <application</pre>
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        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.NoActionBar">
```

```
<intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category</pre>
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity
            android:name=".formActivity"
            android:label="@string/title activity main2"
            android: theme="@style/AppTheme.NoActionBar">
        </activity>
        <meta-data
            android:name="com.google.android.gms.version"
            android:value="@integer/google_play_services_version" />
    </application>
</manifest>
form.xml
<?xml version="1.0" encoding="utf-8"?>
<ScrollView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout width="match parent"
    android:layout height="match parent">
<LinearLayout</pre>
    android:id="@+id/form"
    android:layout width="match parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
    <EditText android:hint="Titulo"
        android:layout_width="match_parent"
        android:layout height="wrap content"
        android:id= "@+id/titulo"/>
    <EditText android:hint="Autor"
        android:layout_width="match_parent"
        android:layout height="wrap content"
        android:id= "@+id/autor"/>
    <EditText android:hint="Editora"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:id= "@+id/editora"/>
    <EditText android:hint="Local"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:id= "@+id/local"/>
    <EditText android:hint="Ano"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:id= "@+id/ano"/>
```

```
<RatingBar
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:numStars="10"
        android:layout_gravity="center"
        android:id= "@+id/score"/>
    <Button
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:text="Gravar"
        android:id= "@+id/gravar"/>
    <Button
        android:layout_width="match_parent"
        android: layout height="wrap content"
        android:text="Limpar"
        android:id= "@+id/limpar"/>
</LinearLayout>
</ScrollView>
lista.xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android=http://schemas.android.com/apk/res/android
android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
    <ListView
        android:layout_width="match parent"
        android:layout height="match parent"
        android:id="@+id/lista"/>
    <Button
        android:id="@+id/novo"
        android:text="+"
        android:textColor="#ffffff"
        android:textSize="38sp"
        android:elevation="10dp"
        android:layout marginBottom="10dp"
        android:layout marginRight="10dp"
        android:background="@drawable/tipo"
        android:stateListAnimator="@null"
        android:layout width="50dp"
        android:layout height="50dp"
        android:layout alignParentBottom="true"
        android:layout alignParentRight="true"
 />
</RelativeLayout>
```

## tipo.xml