

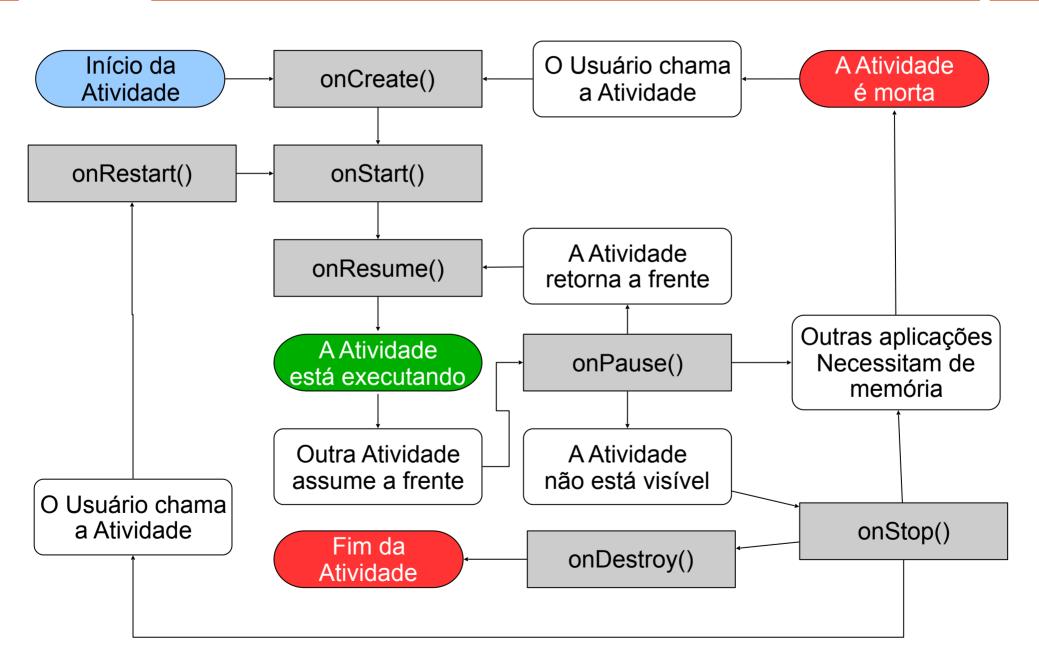
Android



Activity, View e UI

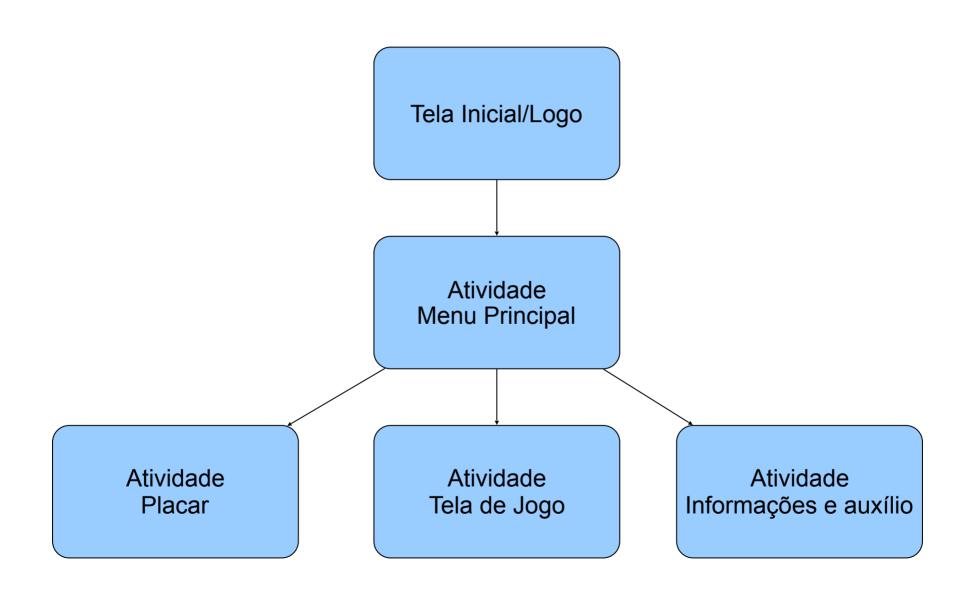


O Ciclo de vida da Activity



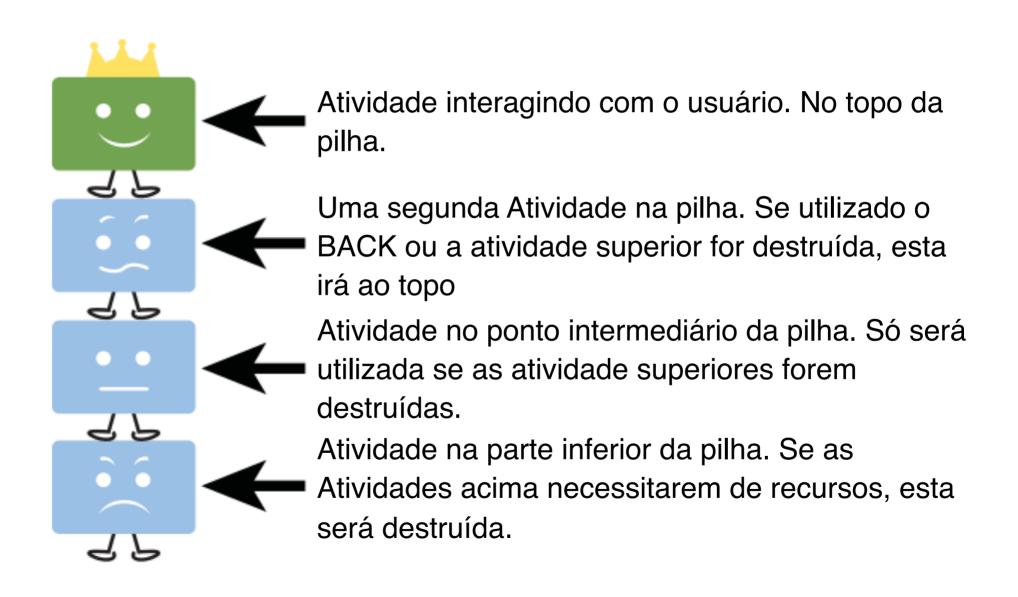


O Ciclo de vida da Activity





O Ciclo de vida da Activity



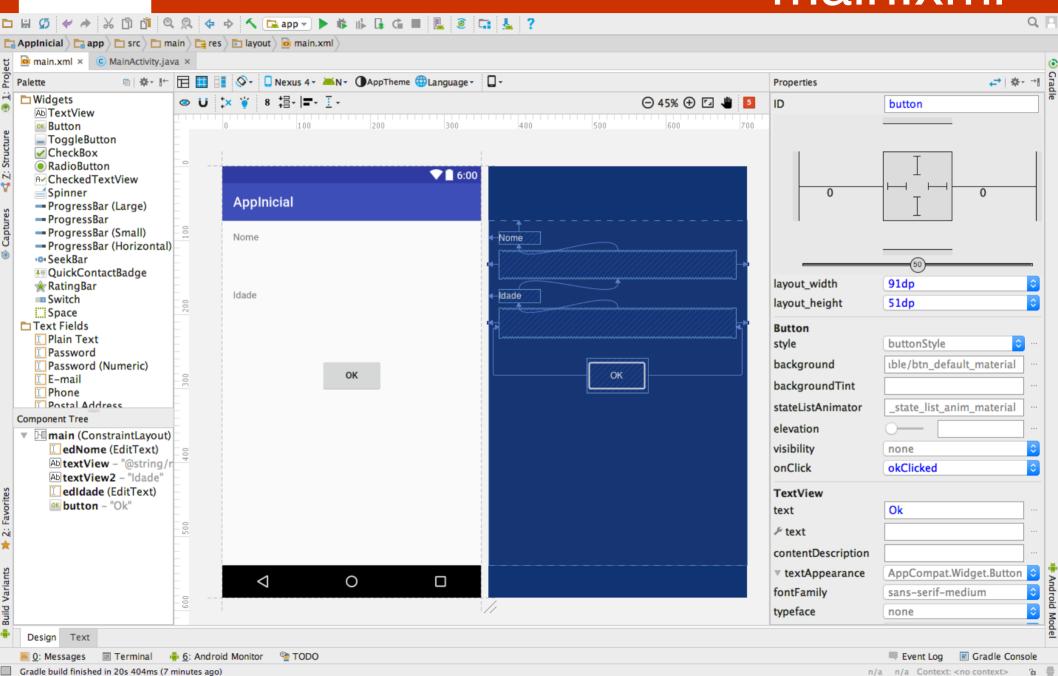


Activity

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="br.senai.sp.cfp132.appinicial">
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android: label="AppInicial"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
                                         public class MainActivity extends AppCompatActivity {
</manifest>
                                             @Override
                                             protected void onCreate(Bundle savedInstanceState) {
                                                 super.onCreate(savedInstanceState);
                                                 setContentView(R.layout.main);
```

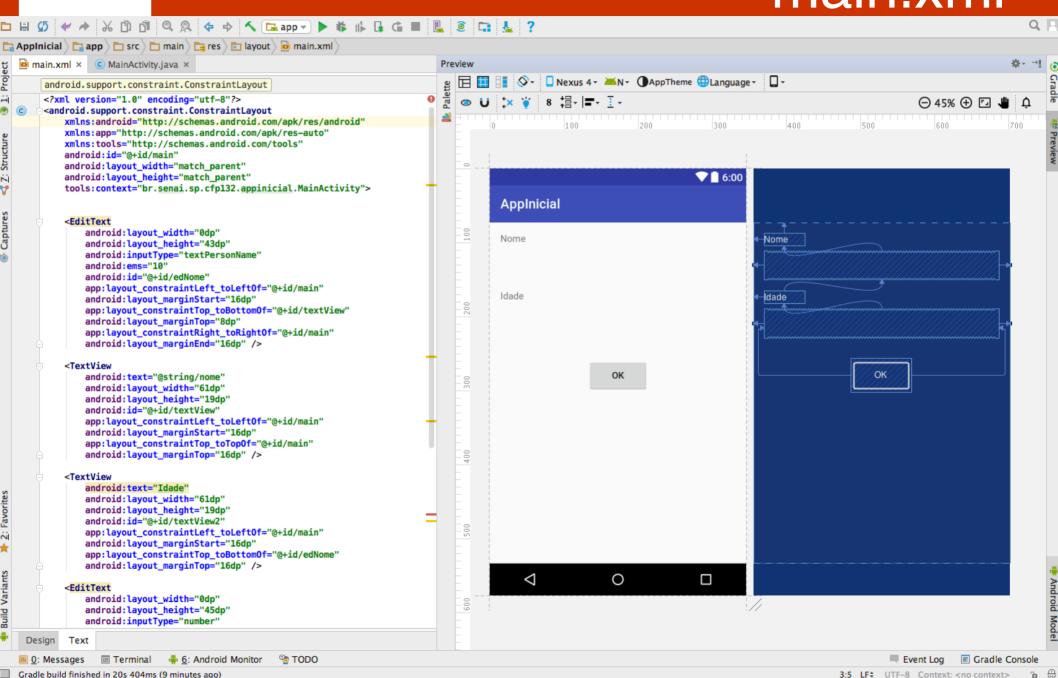


main.xml





main.xml





Recursos

```
<resources>
     <string name="app_name">AppInicial</string>
     <string name="nome">Nome</string>
     <string name="idade">Idade</string>
     <string name="ok">Ok</string>
     <string name="msg">Bem Vindo, %1$s\nsua idade é: %2$d</string>
</resources>
```

```
    app
    manifests
    AndroidManifest.xml
    java
    br.senai.sp.cfp132.appinicial
    MainActivity
```

- ▼ □ res
 - drawable
 - ▼ 🗈 layout

 □ main.xml
 - ▼ imipmap
 - ▶ ic_launcher.png (5)
 - - colors.xml
 - ▶ indimens.xml (2)
 - strings.xml
 - styles.xml



Os Componentes da Ul

```
<EditText
```

```
android:layout width="0dp"
    android:layout height="43dp"
    android:inputType="textPersonName"
    android:ems="10"
    android:id="@+id/edNome"
    tools:ignore="LabelFor"
    app:layout constraintLeft toLeftOf="@+id/main"
    android:layout_marginStart="16dp"
    app:layout_constraintTop_toBottomOf="@+id/textView"
    android:layout_marginTop="8dp"
    app:layout_constraintRight_toRightOf="@+id/main"
    android:layout marginEnd="16dp" />
<TextView
    android:text="@string/nome"
    android:layout_width="61dp"
    android:layout height="19dp"
    android:id="@+id/textView"
    app:layout_constraintLeft_toLeftOf="@+id/main"
    android:layout_marginStart="16dp"
    app:layout_constraintTop_toTopOf="@+id/main"
    android:layout marginTop="16dp" />
   Nome
```

```
public class MainActivity extends AppCompatActivity {
   private EditText edNome;
   private EditText edIdade;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState):
        setContentView(R.layout.main);
       edNome = (EditText)findViewById(R.id.edNome);
       edIdade = (EditText)findViewById(R.id.edIdade);
   public void okClicked(View view) {
       String nome = edNome.getText().toString();
       //...
       edNome.setText("");
       edIdade.setText("");
       edNome.requestFocus();
```



Os Componentes da Ul

```
<Button
android:text="@string/ok"
android:layout_width="91dp"
android:layout_height="51dp"
tools:layout_editor_absoluteY="204dp"
android:id="@+id/button"
android:onClick="okClicked"
tools:ignore="MissingConstraints"
app:layout_constraintLeft_toLeftOf="@+id/edIdade"
app:layout_constraintRight_toRightOf="@+id/edIdade" />
```

```
public void okClicked(View view) {
   String nome = edNome.getText().toString();
   int idade = Integer.parseInt(edIdade.getText().toString());

String msg = getResources().getString(R.string.msg, nome, idade);
   Toast.makeText(getBaseContext(), msg, Toast.LENGTH_LONG).show();

edNome.setText("");
  edIdade.setText("");
  edNome.requestFocus();
}
```

OK



Mensagem

Resource.xml

<string name="msg">Bem Vindo, %1\$s\nsua idade é%2\$d</string>

MainActivity.java

```
String msg = getResources().getString(R.string.msg, nome, idade);
Toast.makeText(getBaseContext(),msg, Toast.LENGTH_LONG).show();
```

Toast apresentado

Bem Vindo, Fulano de Tal sua idade é: 22