

Acesso Móvel a Sistemas de Informação

Curso Técnico Superior de Programação de Sistemas de Informação

Desenvolvimento Móvel com Android # ActionBar e Settings

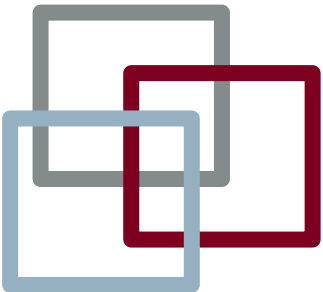
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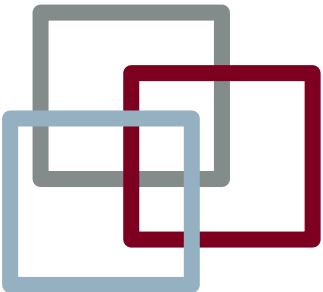
O que são Menus?

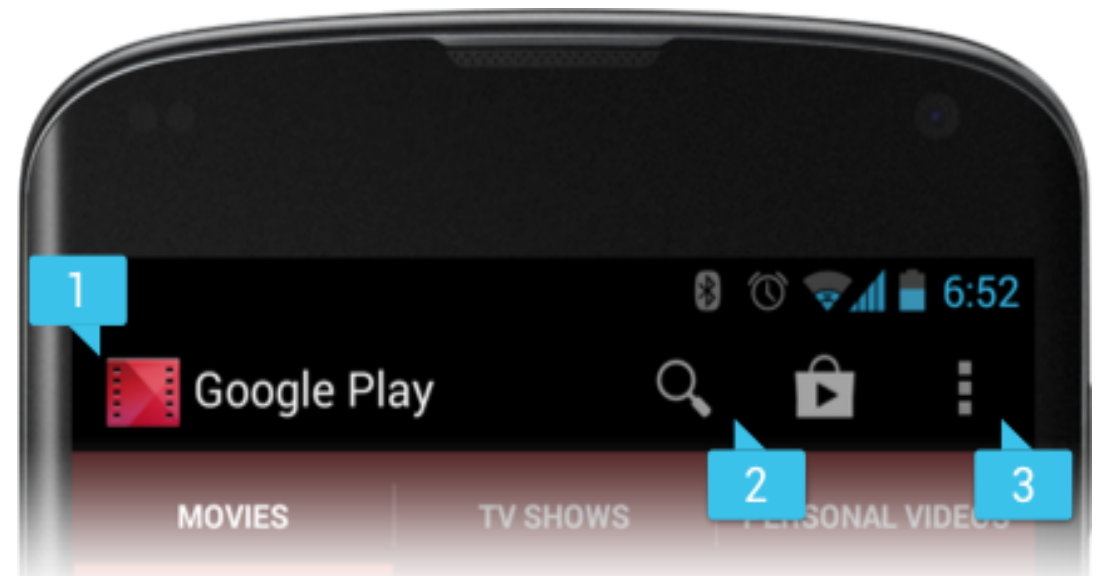
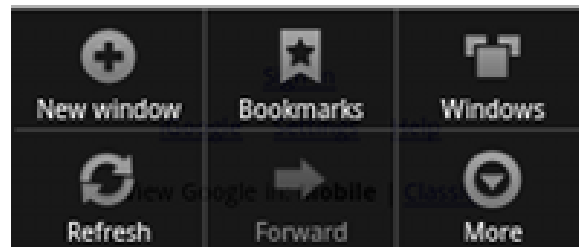
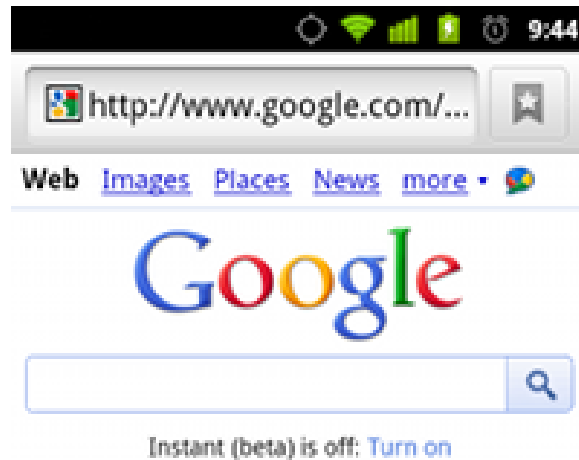
ActionBar (Menus)

- Tipo de interação bastante comum, até em aplicações tradicionais
- Sem uma estrutura/interface definida/acordada
- Como uniformizar?



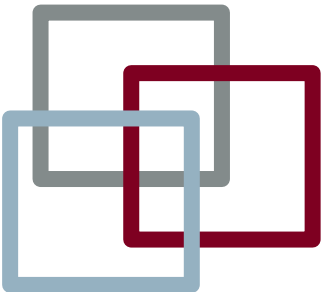
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- Aspetto diferente para versões diferentes da API
 - Com recurso a botão dedicado (físico/touch)
 - Na ActionBar





Criar um menu

- Definido em XML
- `<menu>`, `<item>`, opcionalmente `<group>`
- Método `onOptionsItemSelected` para tratar pedidos do utilizador



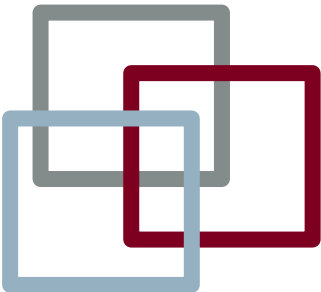
```
<?xml version="1.0" encoding="utf-8"?>
```

```
<menu xmlns:android="http://schemas.android.com/apk/res/android">
```

```
  <item android:id="@+id/new_game"
        android:icon="@drawable/ic_new_game"
        android:title="@string/new_game"
        android:showAsAction="ifRoom"/>
```

```
  <item android:id="@+id/help"
        android:icon="@drawable/ic_help"
        android:title="@string/help" />
```

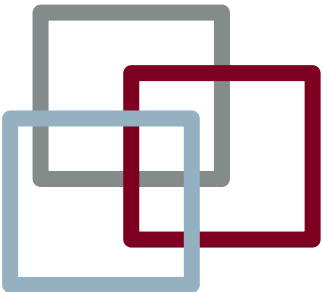
```
</menu>
```



Ecrãs de Definições?

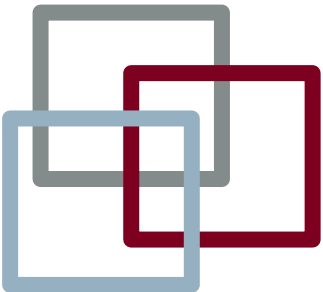
Preferences API

- Métodos para criação de ecrãs de preferências/definições
- Uniformização da interface gráfica
- Facilidade de integração com o sistema
- Restritivo?



Componentes Visuais

- CheckBoxPreference
- ListPreference
- EditTextPreference

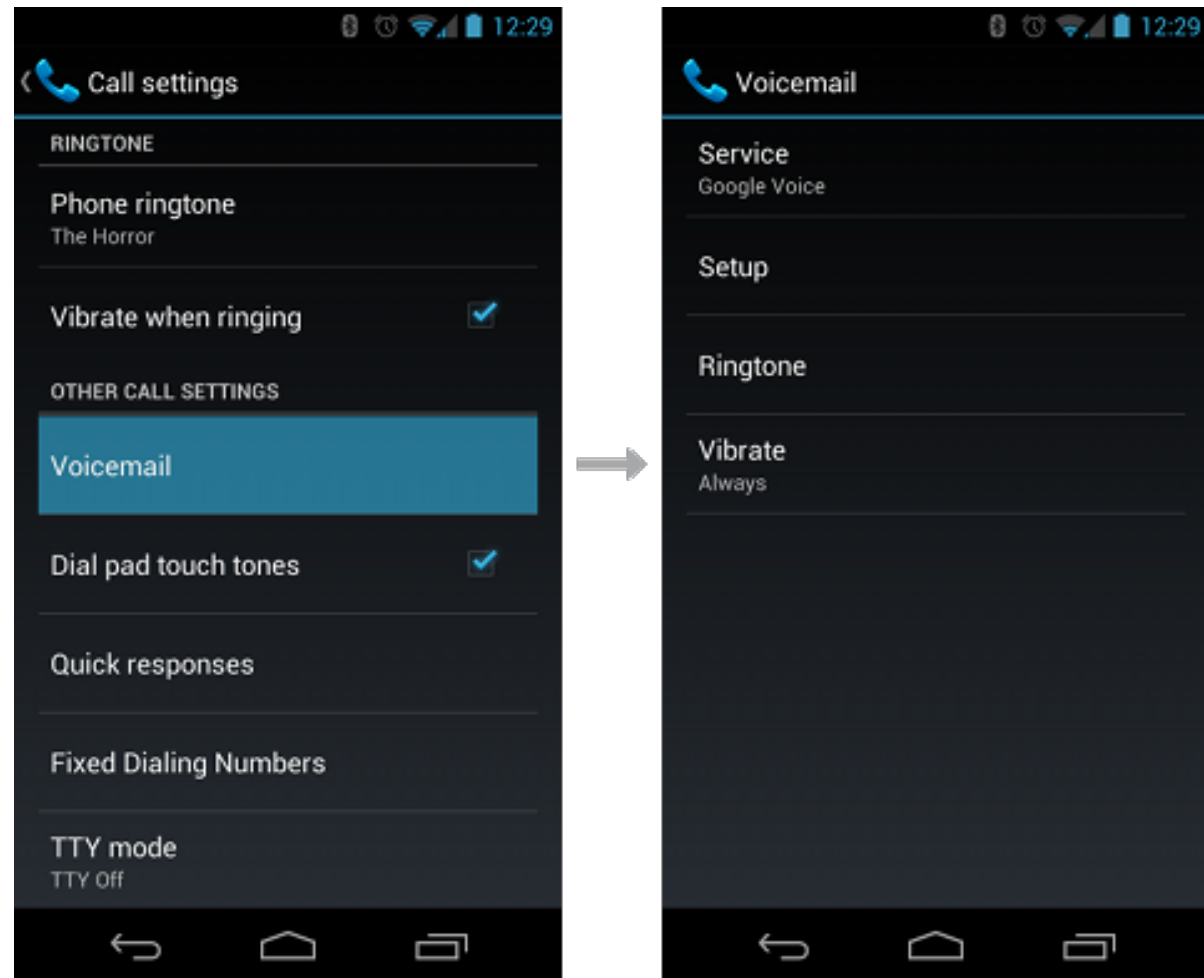


Exemplo

```
<PreferenceScreen xmlns:android="http://schemas.android.com/apk/res/android">
  <CheckBoxPreference
    android:key="pref_sync"
    android:title="@string/pref_sync"
    android:summary="@string/pref_sync_summ"
    android:defaultValue="true" />

  <ListPreference
    android:dependency="pref_sync"
    android:key="pref_syncConnectionType"
    android:title="@string/pref_syncConnectionType"
    android:dialogTitle="@string/pref_syncConnectionType"
    android:entries="@array/pref_syncConnectionTypes_entries"
    android:entryValues="@array/pref_syncConnectionTypes_values"
    android:defaultValue="@string/pref_syncConnectionTypes_default" />
```

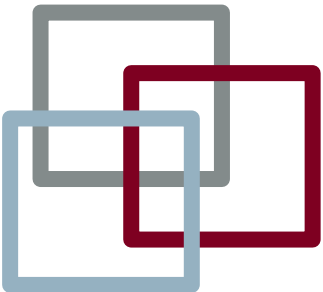
Exemplo



Acesso?

```
SharedPreferences sp =  
PreferenceManager.getDefaultSharedPreferences(this);
```

```
String pref =  
sharedPref.getString(SettingsActivity.KEY_PREF_SYNC_CONN, "");
```



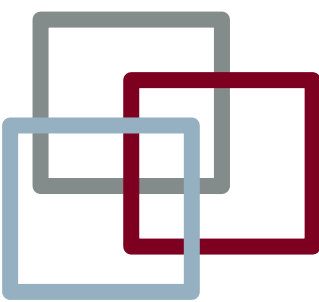
Notificações?

```
public class SettingsActivity extends PreferenceActivity
    implements OnSharedPreferenceChangeListener {

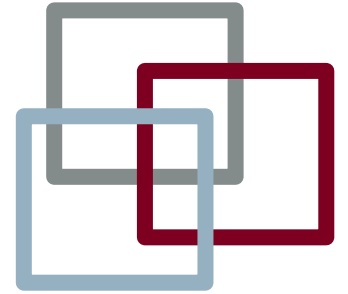
    public static final String KEY_PREF_SYNC_CONN = "pref_syncConnectionType";

    public void onSharedPreferenceChanged(SharedPreferences sharedPreferences,
        String key) {

        if (key.equals(KEY_PREF_SYNC_CONN)) {
            Preference connectionPref = findPreference(key);
            // Set summary to be the user-description for the selected value
            connectionPref.setSummary(sharedPreferences.getString(key, ""));
        }
    }
}
```



Só isto?



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