

Smartphone applications development

Università della Svizzera italiana

Faculty of Informatics



SCHWEIZER JUGEND FORSCHT
LA SCIENCE APPELLE LES JEUNES
SCIENZA E GIOVENTU
SCIENZA E GIUVENTETGNA



* assistant

Description of the project

You will learn how to develop applications for the modern mobile phone. You will build you customized application from scratch, learning how to program with the **Java**-based **Android** platform. At the end your application will be ready for the Android Market.



	Android	iPhone	Symbian Foundation	MeeGo (Moblin/Maemo)	Bada	Windows Phone Series 7
Language	Java	Objective C	Symbian C++	C/C++	C++	.NET (vb/c#, C++)
Kernel	Linux	Mac OS X	Real-Time OS	Linux	RT/Linux	Windows
License	Open	Closed	Open (02/2010)	Open	Closed	Closed
IDE	Eclipse	XCode	Symbian ADT	QTCreator	Eclipse	Visual Studio
IDE Platform	Multiple	Mac OS X	Windows	Multiple	Multiple	Windows
Version	2.1	3.1	^3 (S60: 5th v9.4)	n/a (v2.1/v5)	1.0	n/a
Handsets	Multiple	Apple	Nokia	Multiple	Samsung	Multiple
App Install	Open	Registration	Registration	Open	Registr.	Registration
Sponsor	Google/OHA	Apple	Nokia	Intel/Nokia	Samsung	Microsoft

Hello World

strings.xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
  <string name="hello">Hello USI Lugano.. how are you doing?</string>
  <string name="app_name">Hello World</string>
  <string name="new_message">ahah ti ho rinominato</string>
</resources>
```

layout/main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
  android:orientation="vertical"
  android:layout_width="fill_parent"
  android:layout_height="fill_parent"
  android:weightSum="1">
  <TextView
    android:id="@+id/myTextView"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:text="@string/hello"
    android:layout_weight="0.27"
    android:textAppearance="?android:attr/textAppearanceMedium"
  />
</LinearLayout>
```

HelloWorldActivity.java

```
package ch.usi.inf.sw2011;

import java.util.ArrayList;
import java.util.Vector;

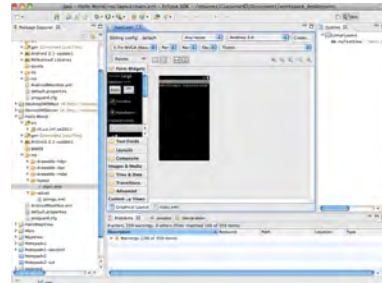
import android.app.Activity;
import android.os.Bundle;
import android.widget.TextView;

public class HelloWorldActivity extends Activity {
  private TextView myText;

  /** Called when the activity is first created. */
  @Override
  public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);

    setContentView(R.layout.main);

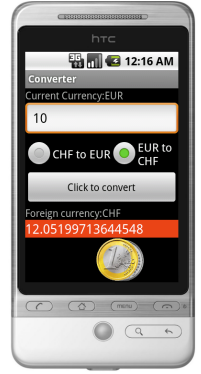
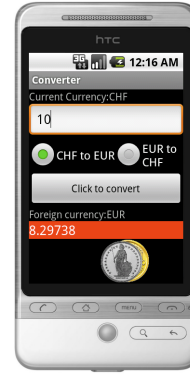
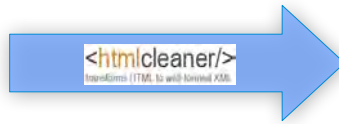
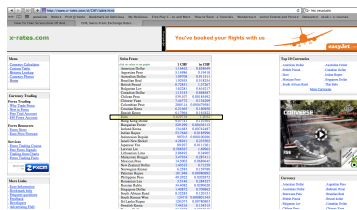
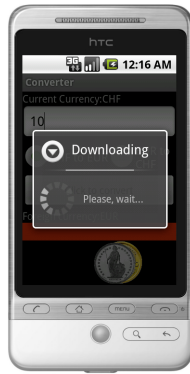
    myText = (TextView) findViewById(R.id.myTextView);
    myText.setText(R.string.new_message);
  }
}
```



Live Money Converter :-)

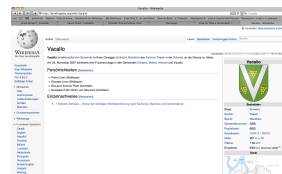
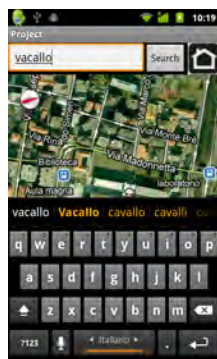
:-)

onClick();

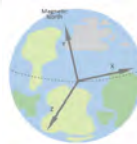


Find my Village Coat of Arms (in CH) :-D

:-D



Search



<htmlcleaner/>
transforms HTML to well-formed XML

