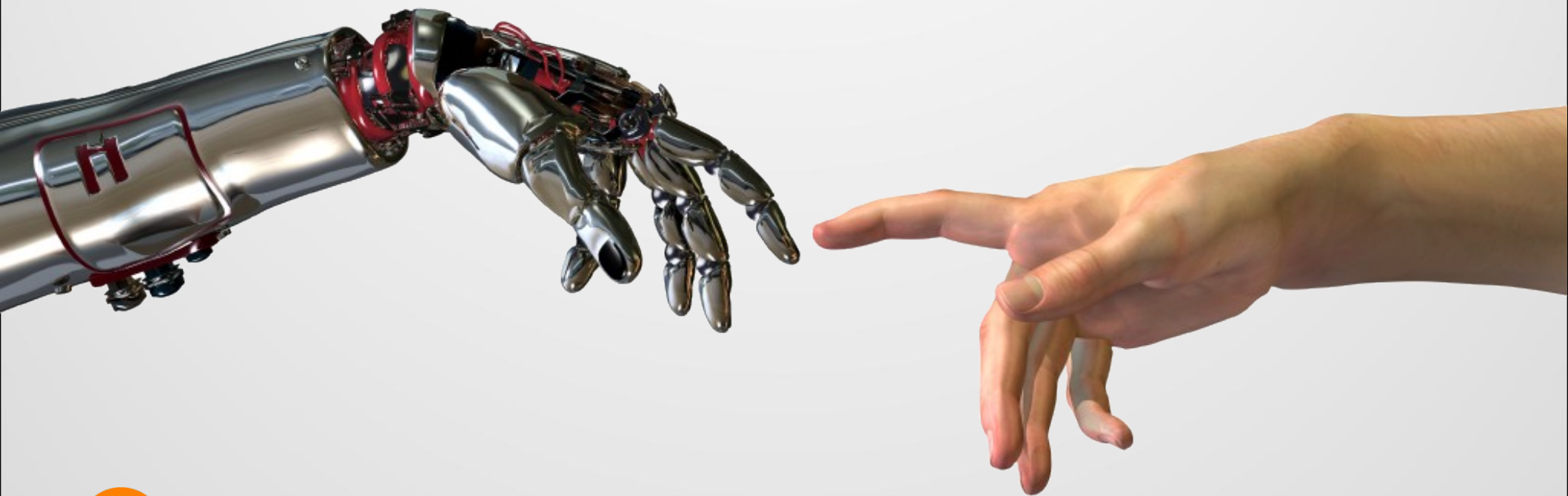


Kompatibilita

Androidů a lidí





pub: "Multimedia atelier"





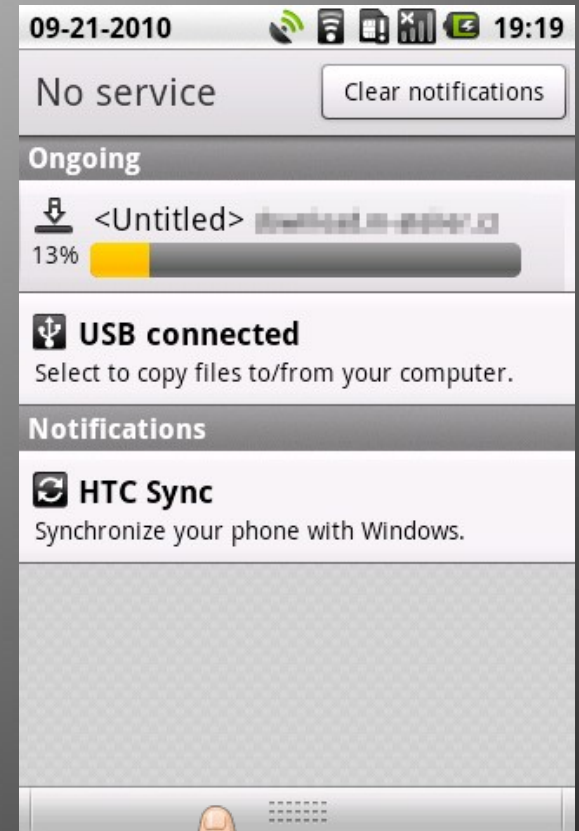




Ovládání







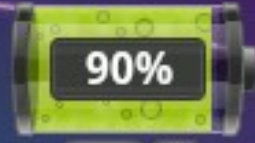









8 19 Wednesday
29 9 2010



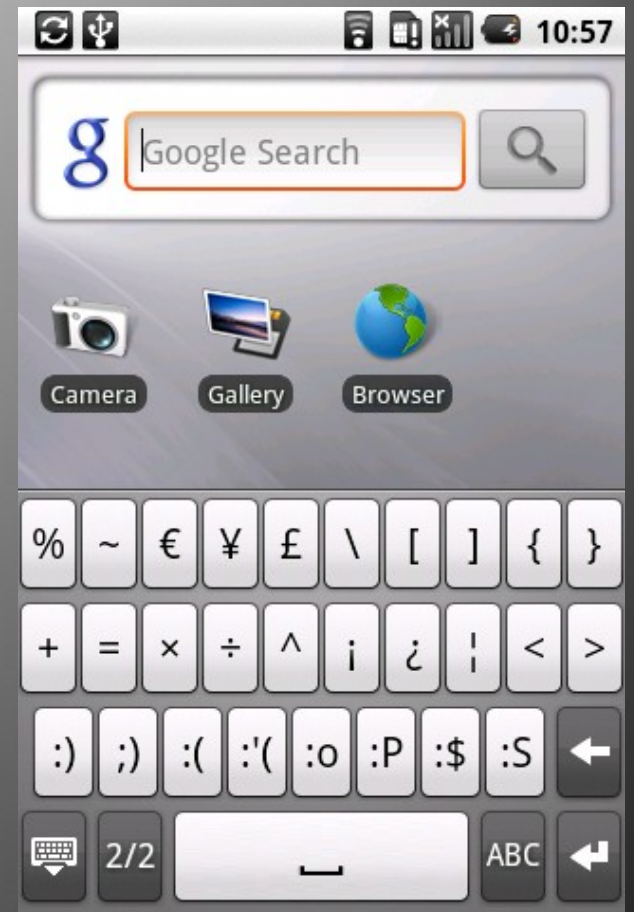
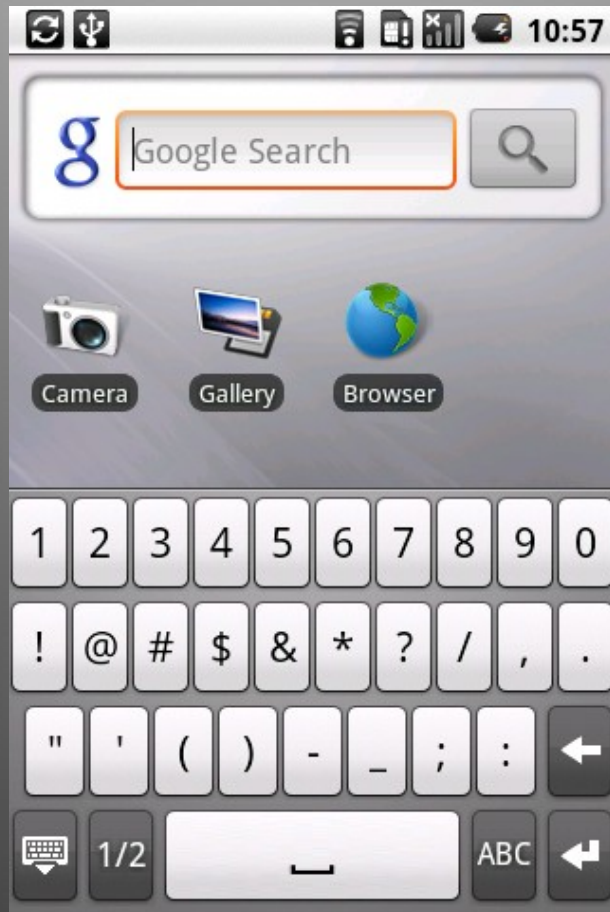
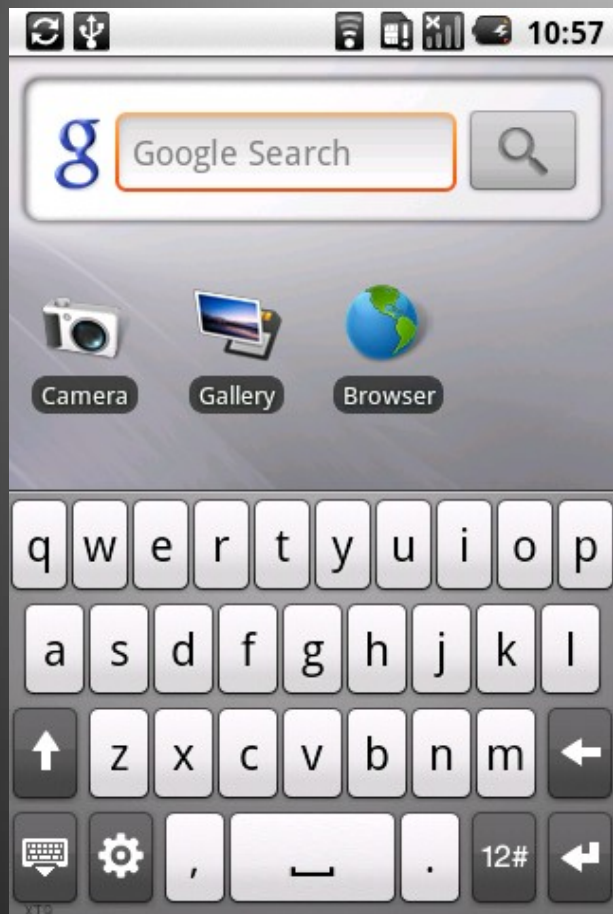
Market



Good 

@tomucha  **mashable** 
 Find the Android Apps You Really Want with AppESP - [http://mash.](http://mash) 







Tvorba UI

APPLICATIONS

APPLICATION FRAMEWORK

LIBRARIES

ANDROID RUNTIME

LINUX KERNEL

APPLICATIONS

Home

Contacts

Phone

Browser

...

APPLICATION FRAMEWORK

Activity Manager

Window Manager

Content Providers

View System

Package Manager

Telephony Manager

Resource Manager

Location Manager

Notification Manager

LIBRARIES

Surface Manager

Media Framework

SQLite

OpenGL | ES

FreeType

WebKit

SGL

SSL

libc

ANDROID RUNTIME

Core Libraries

Dalvik Virtual Machine

LINUX KERNEL

Display Driver

Camera Driver

Flash Memory Driver

Binder (IPC) Driver

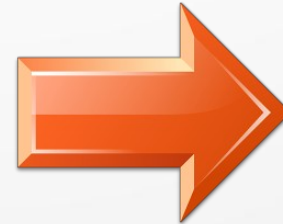
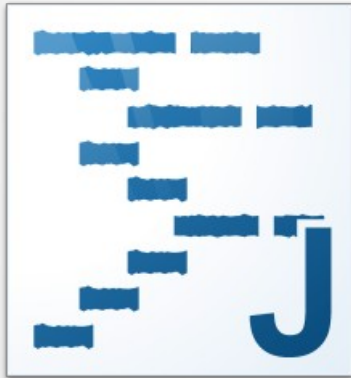
Keypad Driver

WiFi Driver

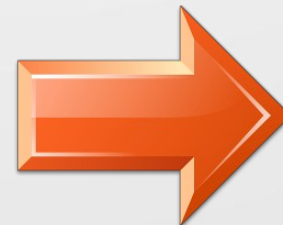
Audio Drivers

Power Management

Java Source



Resources (xml, png, ...)



.apk



Application
Package

zip



Activity
Service

Java



Views
Widgets
Layout

XML
PNG

```
•
|-- AndroidManifest.xml
|-- default.properties
|-- gen
|   |-- ma
|       |-- demo
|           |-- R.java
|-- res
|   |-- drawable
|       |-- super_logo.png
|   |-- layout
|       |-- super_ui.xml
|   |-- values
|       |-- strings.xml
|-- src
|   |-- ma
|       |-- demo
|           |-- Main.java
```



```

.
|-- AndroidManifest.xml      package ma.demo;
|-- default.properties
|-- gen                      public final class R {
|   `-- ma                   public static final class drawable {
|       `-- demo             public static final
|           `-- R.java      int super_logo=0x7f020000;
|-- res                       }
|   |-- drawable            public static final class layout {
|   |   `-- super_logo.png public static final
|   |-- layout              int super_ui=0x7f030000;
|   |   `-- super_ui.xml   }
|   `-- values             public static final class string {
|       `-- strings.xml    public static final
|-- src                       int app_name=0x7f040001;
|   `-- ma                   public static final
|       `-- demo             int hello=0x7f040000;
|           `-- Main.java   }
                                }

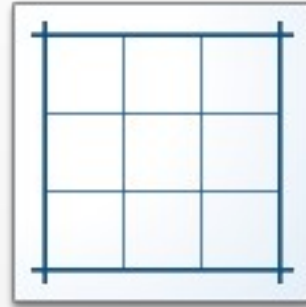
```



```
getResources().getDrawable(R.drawable.super_logo)
```

```
setContentView(R.layout.super_ui);
```

```
setText(R.string.hello)
```



res/drawable/super_logo.png

res/drawable/super_logo.png

res/drawable-**fr**/super_logo.png

res/drawable/super_logo.png

res/drawable-**fr**/super_logo.png

res/drawable-fr-**land**/super_logo.png

res/drawable/super_logo.png

res/drawable-**fr**/super_logo.png

res/drawable-fr-**land**/super_logo.png

res/drawable-fr-land-**night**/super_logo.png

res/drawable/super_logo.png

res/drawable-**fr**/super_logo.png

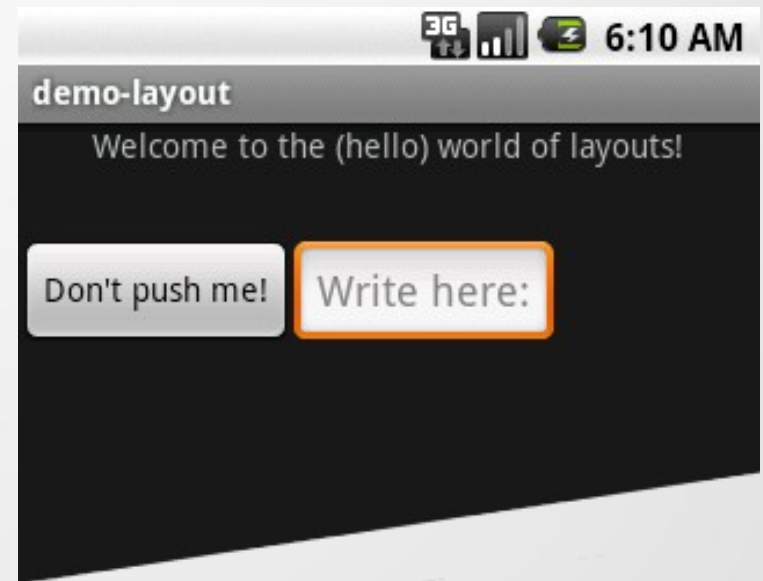
res/drawable-fr-**land**/super_logo.png

res/drawable-fr-land-**night**/super_logo.png

res/drawable-fr-land-night-**hdpi**/super_logo.png

res/layout/super_ui.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent">
    <TextView
        android:id="@+id/headline"
        android:layout_width="wrap_content"
        android:layout_height="50dp"
        android:text="@string/hello"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true" />
    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Don't push me!"
        android:layout_below="@id/headline"
        android:layout_alignParentLeft="true" />
    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:hint="Write here:"
        android:layout_below="@id/headline"
        android:layout_toRightOf="@id/button" />
</RelativeLayout>
```



```
getResources().getDrawable(R.drawable.super_logo)
```

```
setContentView(R.layout.super_ui);
```

```
setText(R.string.hello)
```

```
@drawable/super_logo
```

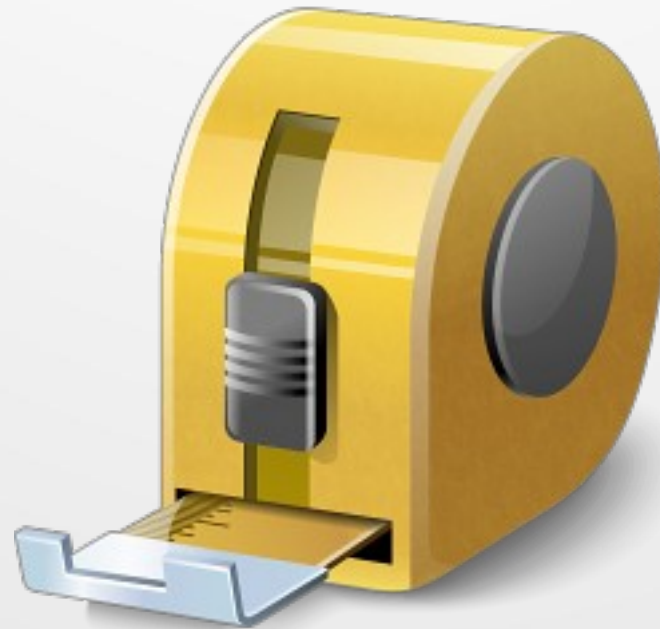
```
@string/hello
```

sp

dp

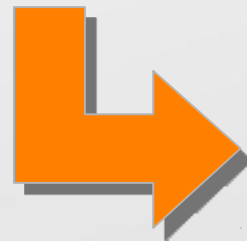
px

mm



pt

in



<TextView

```
    android:layout_width="fill_parent"  
    android:layout_height="wrap_content"  
    android:textColor="#00FF00"  
    android:typeface="monospace"  
    android:text="@string/hello" />
```



<TextView

```
    style="@style/SuperStyl"  
    android:text="@string/hello" />
```

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <style name="SuperStyl"
        parent="@android:style/TextAppearance.Medium">
        <item
            name="android:layout_width">fill_parent</item>
        <item
            name="android:layout_height">wrap_content</item>
        <item
            name="android:textColor">#00FF00</item>
        <item
            name="android:typeface">monospace</item>
    </style>
</resources>
```





