

Session 1: Introduction to Android Platform

Juan Antonio Breña Moral

Goals

The goal of this session is the introduction to Android, the mobile platform. In this session, every student will learn the following concepts in this session:

1. Ubuntu
2. Java platform
3. Eclipse IDE
4. SVN
 1. SVN plugin for Eclipse
5. Android platform
 1. Android plugin for Eclipse
 2. Android SDK Manager
 3. AVD Manager

Ubuntu

<http://www.ubuntu.com/>

<http://ubuntu-manual.org/>

<http://unetbootin.sourceforge.net/>

<https://one.ubuntu.com/services/free/>

Java

<http://www.java.com/>

Eclipse

<http://www.eclipse.org/downloads/>

SVN

Libraries

```
sudo apt-get install subversion
```

```
sudo apt-get install libsvn-java
```

Plugin for Eclipse

<http://subclipse.tigris.org/>

Subclipse - <http://subclipse.tigris.org/update>

Ebook

<http://svnbook.red-bean.com/>

Exercises

To check if you understood the concepts, do the following exercises:

1. Add the repository for PEAC 2011:
 1. <http://code.google.com/p/peac-madrid-dat-este-2012/>
 1. <https://peac-madrid-dat-este-2012.googlecode.com/svn/trunk/>
2. Create a Java Project and try to share the project in your personal folder with the project name: helloworld
3. Try to create a remote folder
4. Try to make a checkout using a remote folder and add a OpenOffice document (.odt)

With this exercises you will improve your skills with SVN servers to send and receive files.

Android

Platform

<http://www.android.com/>

<http://developer.android.com/sdk/index.html>

Plugin

<http://developer.android.com/sdk/eclipse-adt.html#installing>

Android <https://dl-ssl.google.com/android/eclipse/>

Exercises

To check if you understood the concepts, do the following exercises:

1. Create a remote folder in your personal folder in the SVN with the name android
 1. trunk/classX/studentY/android/
2. Create a new Android project with the name helloworld
 1. Check the following files:
 1. AndroidManifest.xml
 2. strings.xml
 3. main.xml
 2. Research on Internet if you could update previous files

3. Share project inside your android folder

Other stuff

Internet History

http://en.wikipedia.org/wiki/History_of_the_Internet

Truth tables

http://en.wikipedia.org/wiki/Truth_table

8 bits

http://es.wikipedia.org/wiki/Nintendo_Entertainment_System

<http://en.wikipedia.org/wiki/8-bit>

<http://en.wikipedia.org/wiki/32-bit>

AI Class

<https://www.ai-class.com/>

<http://www.ml-class.org/>

<http://www.db-class.org/>

