

CPSC 444 Project: Android Development Instructions and Resources

Overview

This document provides instructions on using the Nexus One phones for your project and developing software on Android. We will try to keep the resources section updated with new and useful resources.

If you know of other helpful resources, please email cpsc444@cs.ubc.ca and we'll add the links to this document.

Instructions

- The student who checked out the Android phone is responsible for the phone and its accessories (i.e., everything listed on the checkout form, for example, case, manuals, cables). Take care of the phone and accessories, and return it in the exact same condition to the course staff at the end of the project. Notify course staff of any problems with or damage to the phone and accessories.
- Note that each phone's IMEI (International Mobile Equipment Identify) has been recorded, which will be used if a phone is lost or stolen to block the phone from making calls or connecting to the Internet.
- **Do not modify the phone's operating system, except when updates are requested by the phone itself. Do not flash the ROM or root the phone.**
- The Nexus One user guide can be found here: www.google.com/googlephone/nexusone-userguide.pdf

Development Resources

The android developers website has many many resources that can help you get started:

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

- Developer's Guide: <http://developer.android.com/guide/index.html>
 - Android Basics
 - Framework topics
 - Developing
 - Developing In Eclipse, with ADT:
<http://developer.android.com/guide/developing/eclipse-adt.html>
 - Developing on a Device:
<http://developer.android.com/guide/developing/device.html>
 - Tutorials: <http://developer.android.com/resources/index.html>
 - 6 tutorials to date
 - Samples: <http://developer.android.com/resources/index.html>
 - over 25 sample applications to date (e.g., Accelerometer, Note Pad, Wikipedia)
 - Package Index: <http://developer.android.com/reference/packages.html>

UI Layout:

- Droid Draw <http://www.droiddraw.org/>

Debugging resources:

- Stack Overflow “collaboratively edited question and answer site for programmers”:
<http://stackoverflow.com/>