**Loading the Android Application to the Phone**

**Instructions for Windows**

Nora Ng-Quinn

**Disclaimer:** May not work the same way on every phone, but perhaps similarly.

**Part 1 - On your computer**

1. Find your adb.exe file in your program files and copy the path location (Mine is in C:\Program Files (x86)\android-sdk-windows\tools).
2. Open up your Control Panel, find the System section, and open up “Advanced System Settings”. Open up your “environmental variables” and find the row that says PATH. Next to it should have a path address already. Type a semicolon and then paste your adb path location. Click OK.
3. Run your program on eclipse, your Android emulator should open up. Doing so will update (or generate) your .apk file.
4. Now CLOSE the Android emulator or else the installation will not work.
5. Open up you command prompt
6. Find the adb.exe file using your windows explorer (in my case navigate to C:\Program Files (x86)\android-sdk-windows\tools) and double click it to run. It should show results in your command prompt
7. Using the command prompt, navigate to the folder where your .apk file is. Your .apk file should be named <name of project>.apk and should be in the eclipse folder for your project under “bin”(In my case I had to navigate to C:\Users\noranq\workspace\OpenComm\_Summer1\bin where “OpenComm\_Summer1” was the name of my project).
   1. For those who do not know how to navigate using the command prompt: type “ls” to list out all the items in your current folder, “cd <destination folder>” to navigate down to <destination folder>, and “cd ..” to navigate up to the parent folder of where you currently are. Type “pwd” to show where you are now in the folder hierarchy

**Part 2 – On your Android phone**

1. Turn on the phone and go to the home screen. Click on the menu button and click on tap “Settings”. A menu should pop up, tap “Applications” then “Developers”.
2. Tap “Android Debugging Mode” if the box is unchecked (it might say you have to unplug your USB device if it is already plugged in)
3. Plug in your phone your computer using a USB cable
4. Your Android phone should have a pull-out menu by dragging. Pull it out… you should see a panel that says “USB connected”. Tap that, and then tap “mount”, this will officially let the computer have access to the files on your phone. Make sure one of the panels say “Android Debugger Mode”

**Part 3 – On your computer**

1. Your computer should recognize something in the USB drive, if not then there is a problem
2. If all goes well, go to your command prompt (that you did not close from before). Type in “adb install <name of project>.apk”. Press enter. It should wait around 20 seconds before giving you an answer
   1. If the answer is “success” then you can go on your phone, go to your list of applications and find an icon with the name of your project. It should work!
   2. If the answer is “failure” you will have to see what kind of error it gave you and work off of that
3. **To take the phone out** you must first UNMOUNT the phone by pulling down the pull-out menu, and clicking on “turn USB connection off”. Then you may take out your usb cable
4. **To uninstall the application**, go to home>settings>applications>manage applications, then find your application name, click on it, and then hit uninstall