

## **Class Notes 8**

finish async task, attach detach, start and stop dialog

### **Build - process see slide 7 and 8 of programming\_tips**

**debug**,

strictly through IDE and ADB manages install, cannot put on Google play because not signed by key

**release**- minify enabled

takes you to where apk is

Can put on google play.(maybe do this)

I've put an app on drive, get it using your CNU account

Show install on phone

### **ADB - see slide 9 of programming\_tips**

can do a lot,from terminal

see what package manager can tell you

**adb shell cmd package**

tell me a little about the system running

**adb shell 'pm list features'**

### **how to uninstall a running app**

1<sup>st</sup> get a sorted list of packages

**adb shell 'pm list packages' | sort**

then uninstall package you do not like

**adb uninstall edu.cnu.nasa.lazerapplication**

find a RUNNING process that has cnu in package name

**adb shell ps |grep cnu**

find all installed packages with cnu in name

**adb shell 'pm list packages'|grep cnu**

kill it (only with root permissions I think)

**adb shell kill <pn>**

or maybe install the apk I gave you without having to add an account?  
**adb install app.apk**

**Go over networked project**

See Project 3 outline ppt  
See project docs

**Go over 8\_Thread\_synchronization.pdf**