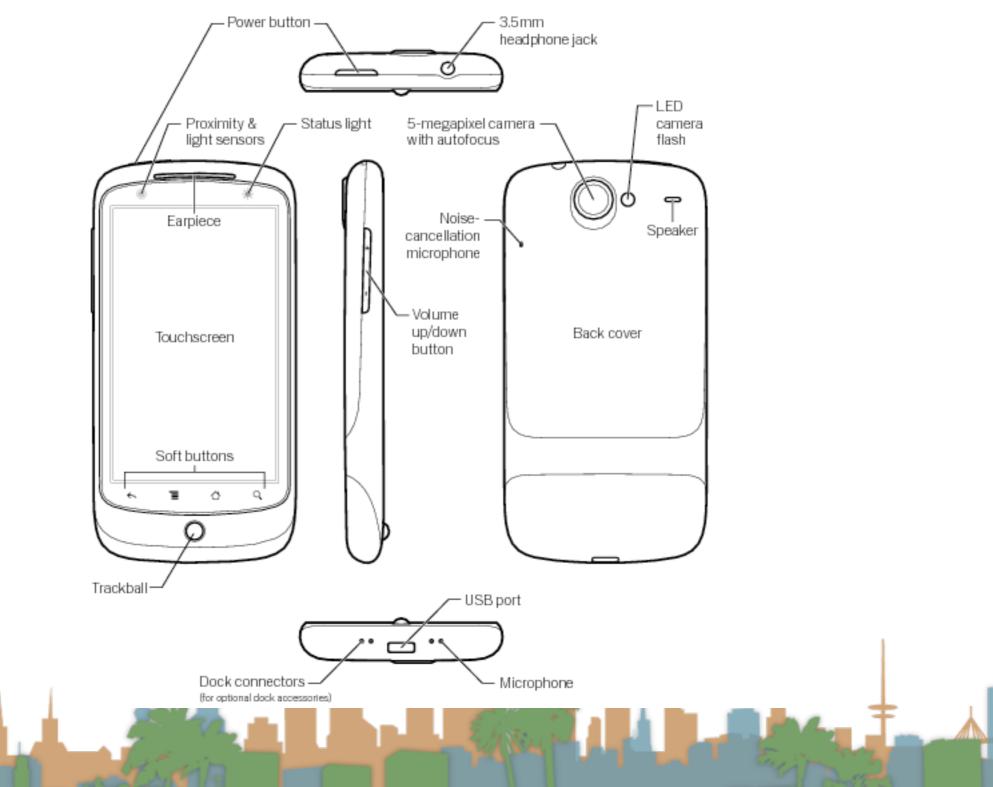
User Interaction: Intro to Android

Assoc. Professor Donald J. Patterson INF 133 Fall 2013



Checking out the phone

• Take a look at the sensors



http://www.google.com/support/android/bin/topic.py?hl=en&topic=28930

Making the phone work

http://www.google.com/support/android/bin/topic.py?hl=en&topic=28930

Making the phone work

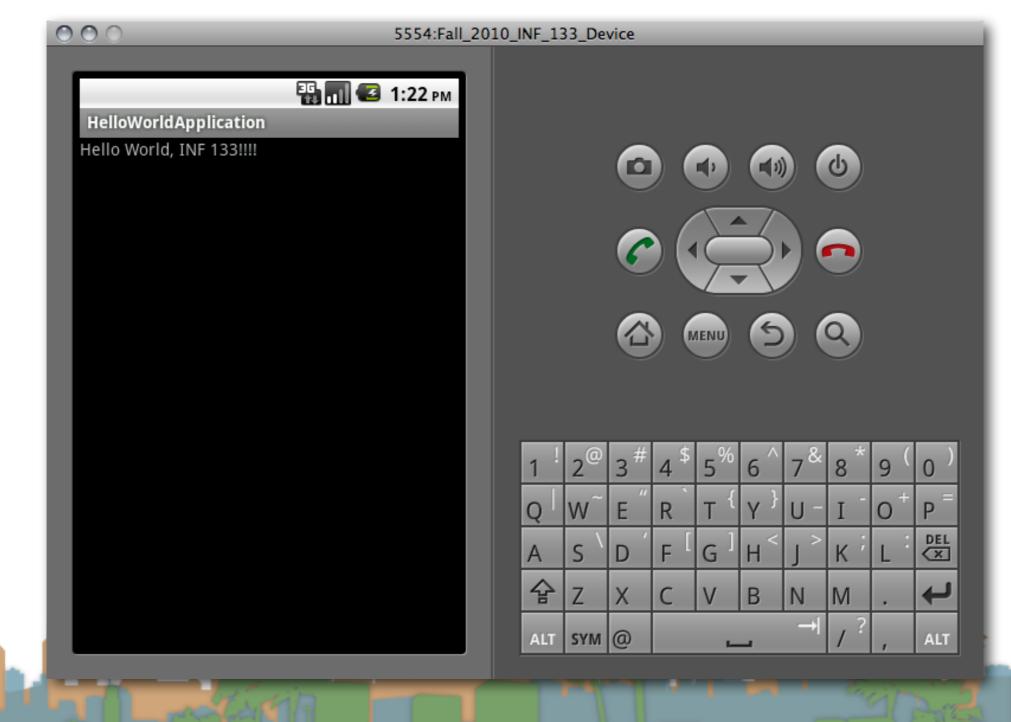
- Turn on developer mode
 - "home"->"menu"->"settings"->"applications" ->

"Development"

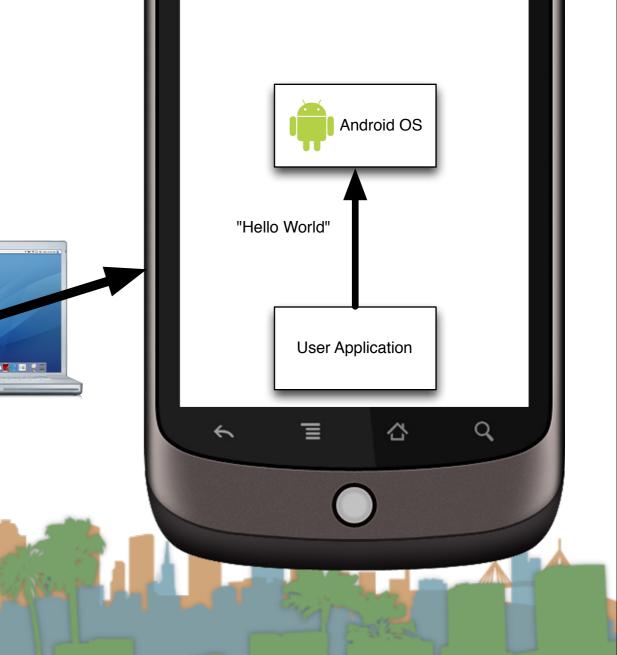
- "USB debugging" on
- "Stay awake" on
- "Allow mock locations" on
- Dial *#*#CHECKIN#*#*
 - to update phone software

http://www.google.com/support/android/bin/topic.py?hl=en&topic=28930

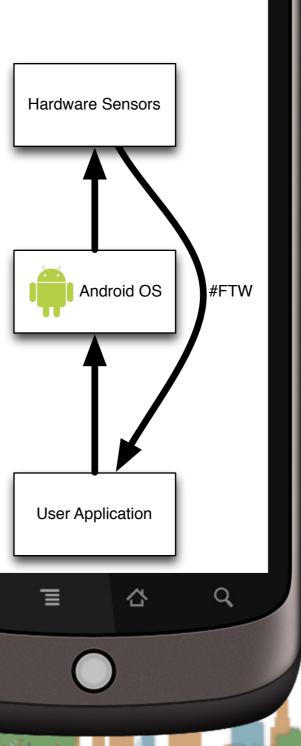
- Stage 1
 - get your environment working with an emulator



- Stage 2
 - get your environment working with a real phone



- Stage 3
 - get your environment working on a real phone with sensors



Real Phone

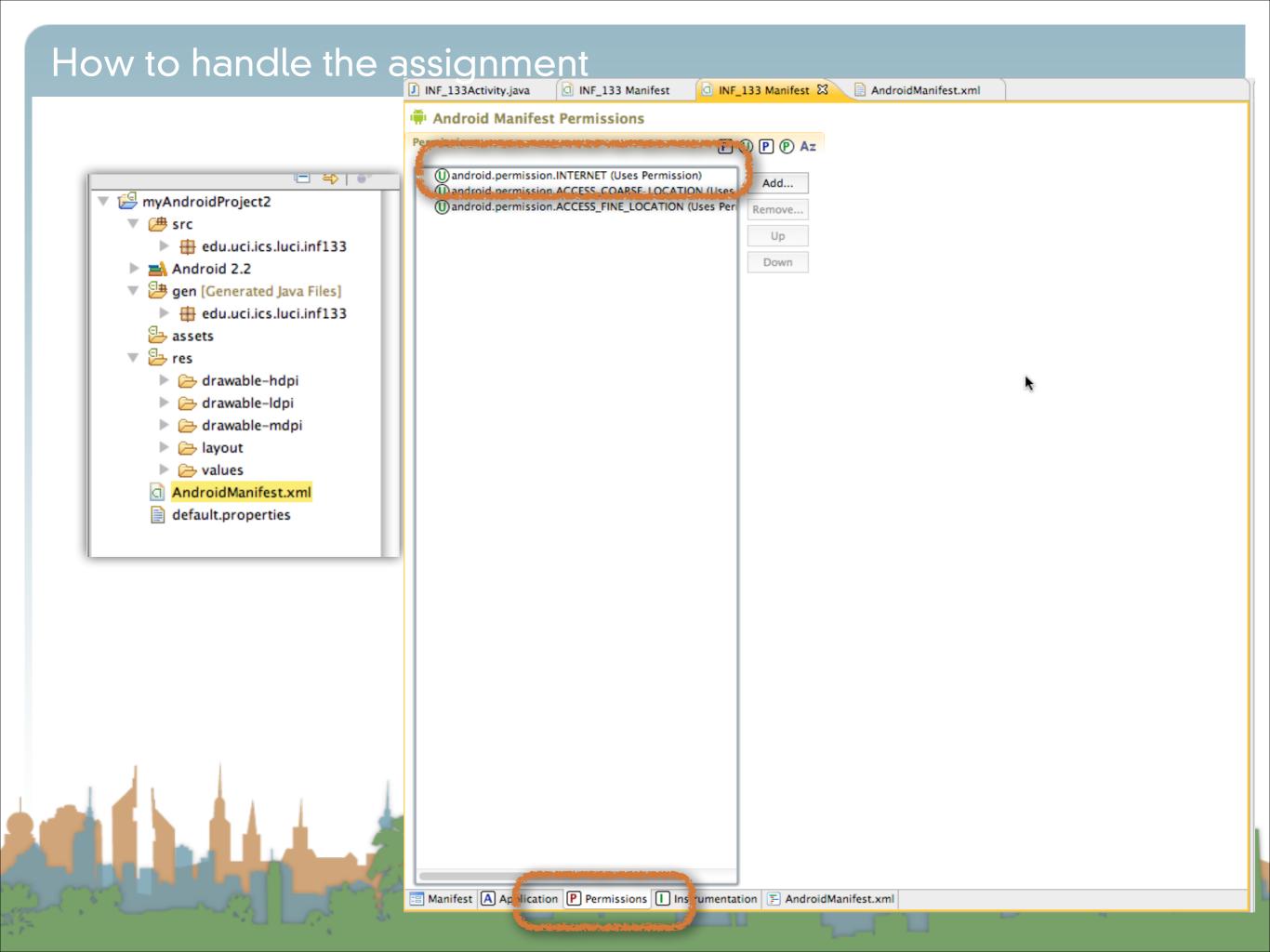
~

- Start a new Android Application project for Android API 10
 - Give your application permissions in AndroidManifest.xml
 - Add a "Uses Permission"
 - to use the Internet
 - android.permission.INTERNET
 - to use location
 - android.permission.ACCESS_FINE_LOCATION

Elise St.

- android.permission.ACCESS_COARSE_LOCATION
- Make your application debuggable

http://developer.android.com/guide/developing/device.html



	assignment □ INF_133 Manifest					
	▼ Application Toggle					
	The application tag describes application-level components contained in the package, as well as general application attributes.					
		Solution of the Android Manifest.xml				
🔻 😂 myAndroidProject2	1					
V 🗁 src	Application Attributes Defines the attributes specific to the application.					
edu.uci.ics.luci.inf133	Name		Browse	Debuggable true		
Android 2.2						
🔻 📴 gen [Generated Java Files]	Theme		Browse			
🕨 🌐 edu.uci.ics.luci.inf133	Label	@string/sensorsimulatorsettings	Browse		Brows	
assets	lcon	@drawable/mobile_shake_application0	Browse	Allow clear user data		
🔻 📴 res	Description		Browse	Test only		
drawable-hdpi	Permission		•	Backup agent	Brows	
drawable-ldpi	Process		Browse	Allow backup		
drawable-mdpi	Task affinity		Browse	Kill after restore		
Iayout	Allow task reparenting		•	Restore needs application		
AndroidManifest.xml	Has code		•	Restore any version		
default.properties	Persistent		•	Never encrypt		
	Enabled					
I						
	Application Nodes	SPAR	M (U) A:	z		
	P.dbprovider.Sense		Add			
	►A.SensorSimulatorSettingsActivity		Remove			
			Up			
			Down			
1						
	S.,					

- High-Level
 - You are going to ask Android to give you information about the phone's orientation
 - You are going to do something in response to the information (with U/I and audio)



