

CS378 - Mobile Computing

Class Intro

Teaching Staff

- Mike Scott
 - Lecturer (not a professor, no PhD, so "Mike" please)
 - At UT since 2000
 - scottm@cs.utexas.edu
 - lab hours MW 3 - 4:30, F 12 - 4 Microlab / PAI 5.68
- TA: Nathan Clement
 - nathanlclement@gmail.com

The Course

- Mobile computing with focus on application development for the Android operating system
- Second iteration
- Advise against taking if you have ever created an Android App on your own
- Large project, self selected project with 2 - 3 students



NDR = No Device Required

- Android application development in Java using Eclipse plug in
- Emulator part of development environment
 - limitations
- dev phones available during lab times and check out
- wireless access only



Work Products

- Tutorials
 - step by step guide to creating small applications
- Individual assignments
 - mostly written
- Project
 - design and implement an app and publish it on the Android Market
 - broken into various milestones
 - 2 - 3 students per project
- Point break down on syllabus

Class Materials

- Syllabus, Schedule, and Resource Page
 - www.cs.utexas.edu/~scottm/cs378
- Assignments, tutorials, grades on Blackboard
- Discussion group on Piazza
- Microlab Windows machines have development environment
- Tutorial 1 - setting up dev environment on your own machine and using dev env

Course Material

- Working in a system. (Not just a stand alone application)
- Use library / API
- GPS and Sensing
- User Interfaces and XML
- Graphics and Events
- Services and Content Providers
- data bases / SQLite

Questions???