CS371M - Mobile Computing

Class Intro
Teaching Staff

• Mike Scott
  – Lecturer
  – UT since 2000
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  office hours MW 2 – 4 pm, F 8:30 – 9:30 am
  TA: Chandana Amanchi
  lab hours, W 4 – 5, F 2- 4
The Course

• Mobile computing with focus on application development for the Android operating system
• Large, self-selected project with 3 students
Mobile Computing is ...
Click a course number to see a list of classes.

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Clicker Question

• Have you ever written an Android App?
  A. yes
  B. no

• Have you ever written an iOS App?
  A. yes
  B. no

• Have you ever published an app on Google Play or the Apple app store?
  A. yes
  B. no
NDR = No Device Required

• Android application development in Java using Android Studio
• Emulator part of development environment – limitations
• dev phones and tablets available for check out
• wireless access only
Work Products

• Tutorials
  – step by step guide to creating a small application
  – tic - tac - toe

• Individual assignments
  – mostly written

• Project
  – design and implement an app and **hopefully** publish it on Google Play
  – broken into various milestones
    • 3 students per project

• Point break down on syllabus
Posters and Demos

• In class poster days 2/13, 2/15, 2/17
• Group demo last weeks of class
Resources

- Google's Android Development website
- Commonwares
  - The Busy Coder's Guide to Android Development
- StackOverflow for very specific questions
- Other tutorials??
Class Materials

• Syllabus, Schedule, and Resource Page
  – [www.cs.utexas.edu/~scottm/cs371m](http://www.cs.utexas.edu/~scottm/cs371m)
• Assignments, tutorials, grades on Canvas
• Discussion group on Piazza
• Linux machines have development environment
  – *strongly* recommend using your own system
• Tutorial 1 - setting up dev environment on your own machine and using dev environment
  – Hello Android!!
Course Material

• Working in a system
  – not just a stand alone application
• Heavy use of library / API
  – Primary language for Android is Java
• User Interfaces and XML
  – ever create an anonymous inner class in Java?
• Location and Sensing
• Responsiveness
• Graphics and Events
• Gestures
• data bases / SQLite
MoonStocks
Wooden Computers - December 15, 2012
Arcade & Action

Install  Add to Wishlist

Description
You are a stock-trading robot whose autonomy depends on maintaining a high rate-that is playing.
Features:
- Entirely free to play!
- Several news articles outlining the events leading up to the opening of the Lunar Market
- More than ten different songs!
- You are a robot!
- Over 12 different buttons to press!
- Sparkles.

Developed by Jeff Meyerson, Josh Stewart, and Pong Tam
Know Your Bible

Team KYB - December 11, 2013
Trivia

Install  Add to Wishlist

This app is compatible with your device.

★ ★ ★ ★ ★ (86)

+36 Recommend this on Google

Know Your Bible

I Know That Scripture
Scriptures Database
More Games

I Know That Scripture

Moreover, just as it occurred in the days of Noah, so it will be also in the days of the Son of man.

Book: Genesis
Chapter: 1
Verse: 1

Submit  Next

High Score: 0

Yo sé la Escritura

Book: Genesis
Capítulo: 1
Verso: 1

Probar  Próximo

Conozca Su Biblia

Yo sé la Escritura

Que su habla siempre sea con gracia, sazonada con sal, para que sepan como deben dar una respuesta a cada uno.
Questions???
More Past Projects

- Uncommon Books
- Trace Me
- Android Army
- Austin Recycling
- Pulsar
- Austin Art Viewer