MOBILE COMPUTING

COMS2013A

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DISCORD: HTTPS://DISCORD.GG/RGCQNKJ6SV

WHAT IS THIS COURSE ABOUT?

- Making apps using Java and SQL (in conjunction with Database Fundamentals)
- Why?
  - To learn to program in Java
  - We use Android because it's more fun
    - Funner programs make you program more
  - Programming more makes you good at programming

WHAT IS THIS COURSE ABOUT?

- Making apps using Java and SQL (in conjunction with Database Fundamentals)
- Why?
  - To show off
  - To solve real problems

TEACHING PHILOSOPHY

- This course is inspired by the SOLE methodology

- You need four things to learn

  - Access to content

  - Concrete Goals

  - Friends

  - Positive Feedback

TOPICS WE COVER

- Java
  - Pretty similar to C++, so we go fast
  - Compilation vs Interpretation
  - Object Orientation
- UI Design and Implementation
- Database integration
- Web Services
  - Security
  - Interacting with Databases

WHAT I NEED FROM YOU

- This course is about having fun programming

- So, we'll have fun programming

- Regular feedback in terms of what works and what doesn't work

- Discord comments and suggestions

- Do this the easy way. Good computer scientists are lazy.

WHAT NEXT?

- Install some things!
- https://courses.ms.wits.ac.za/software
  - Android Studio (With optional offline pack)
  - Eclipse
  - Java
  - XAMPP (If you're on windows)
  - Android Alternative

COURSE STRUCTURE

- Lectures every Friday

- Labs on Wednesday and Thursday

- Tutorials and labs will be mixed, and will be concurrent with Database Fundamentals

- Mark breakdown

  - Labs – 15%

  - Assignment – 15%

  - Class Test – 20%

  - Exam – 50%