SYSC4806 Intro

Babak Esfandiari

Who

- Instructor: Babak Esfandiari
- TA: TBD
- Other people will come in for guest lectures

Agile Development of Web apps

- Web Apps: Gmail, Basecamp, Shopify, etc.
- Design of Web apps: architecture, etc.
- Agile development and operation methods

How

- Weekly:
  - Graded reading and viewing material
- Lectures:
  - Q&A on the reading material
  - engineering practices, design of web apps
  - guest presentations, student presentations.
- Labs:
  - 5/6 weeks learning the methods & tools
  - 6/7 weeks project work

Evaluation

- Reading comprehension quizzes
- Lab exercises
- Project:
  - agile management: TDD, code reviews, deploy frequency, etc.
  - state of product after each iteration
  - codebase, dependency declarations, etc.
- Student Presentations
- Final exam

Reading Comprehension

- "Flipped classroom" format
  - Reading material posted on Brightspace, to prepare before each lecture
  - Questions to answer in quiz for a grade
  - Other questions kept for final exam! (some quiz questions may be re-used)
  - Take thorough notes and ask good questions to help you understand the material and prepare for the final exam

  - Applicable to instructor lectures, guest speaker lectures, and student presentations as well!

Group Project

- Build and deploy a Web App!

- Groups of 4 to 5 students (due to high enrollment)

- Using a Web framework

- From scratch or building on existing ones
  - project topics will be posted a few weeks into the class

(Video) Presentations

- Same groups as for projects
- 15-20 min (depending on number of groups) + questions
- Topics in relation to course content
- A DEMO is the primary requirement of the presentation
- List of topics for presentations will be posted soon

Final Exam

- Based on reading list, lectures and presentations (guest lecturers and student presentations)
- But will also have a problem solving component