CSC301H1F:
Introduction to Software Engineering

Fall, 2013

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FAQs

- What textbooks do I have to buy?
  - None
  - Readings will be available electronically
  - Buy index cards and sticky notes
- I don't have pre-requisite X. Can I take the course?
  - No.
- What do I have to do this week?
  - Create an account on github, if you don't have one
  - Complete the Team Information Survey
    - Link available on piazza

Course Overview

- What this course is about
- Organizational details
- Course Project

What is Software Engineering?

- Software
  - Source code
  - Documentation, user manuals
  - Designs, specifications
  - Test cases
  - Plans and schedule
  - People who create these artifacts
- Engineering
  - Skill and knowledge
  - Application of sound, established principles
  - Trade-offs, cost/benefit analysis, risk analysis

Multi-Person and Multi-Version

- According to David Parnas and Brian Randell
- Multi-Person
  - Making software for a client
  - Users
  - Management
  - Teams of people, e.g. software developers
- Multi-Version
  - Improve software
  - Fix bugs
  - Expand usage
  - Update UI to new platforms and devices
  - Price points
  - New clients
  - Localization

Objectives for the Course

- Modern software development methods
  - Agile, user stories, automated testing, inspections

- Hands on
  - Course project with a customer
- Lots of work, but you'll learn useful skills.
  - All of these tools and methods (or ones similar to them) are used in industry.
  - Good for your resume

Course Home Page

- URL
  - http://csc301h-fall2013.github.io/

- Syllabus can be found there
- Slides will be posted there

Grading

- Project
  - Sprint 1 10%
  - Sprint 2 15%
  - Sprint 3 15%
  - Final Release 20%

- Final Exam 25%
- Quizzes 5%
- Peer Evaluation 5%
- Participation 5%

- Final Demos on Saturday, November 30

Schedule

- Thursday , September 12
  - Lecture -Lean/Scrum
  - Tutorial -Pitch Session 1
- Friday, September 13
  - Deadline for Team Information Survey
- Monday, September 16
  - Teams posted on piazza
- Tuesday, September 17
  - Pitch Session 2
- Thursday, September 19
  - Tutorial -bidding
- Wednesday, September 25
  - Sprint 0, Preliminary due

How to Find Me

- Piazzo
  - Unless it's a personal matter
    - Email ses@drsusansim.org
    - To ensure a response, include "CSC301" in the subject
- Skype
  - benevolentprof
- Twitter
  - @benevolentprof
- Office
  - BA4237
- Office hours
  - T11am
  - R9pm on Google Hangout
  - Other times available by appointment

Policies

- Use your CDF account
  - Because of privacy
  - Needs to be activated if you are new
- If you need accommodations due to a disability, talk to me
  - Also see Accessibility Services
- Re-grading
  - Submit requests in writing to the TA **within 1 week,** accompanied by a clear explanation of what needs to be re-considered and why
  - Send from a UofT email account
  - Entire question will be considered (grade may go up or down)

Academic Integrity

- http://www.artsci.utoronto.ca/osai/students

- Don't plagiarize
  - Discussing an assignment is OK, copying the solution is not
  - Things that are copied from books or Web pages need to be quoted and the source must be given
  - Add citations to your code comments