Lecture 00: Software Design and Implementation (CMPU-203)
August 29, 2017

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Class Logistics
Introductions

- What is your Name?
- Where are you originally from?
- What is your Major, Minor?
- What Languages you know?
- What Languages you know really well?
- What Languages would like to know?
- Why are you in this class (other than it is required)?
Welcome!

- We have 14 weeks to learn the fundamental concepts of programming languages
- With hard work, patience, and an open mind, this course makes you a much better software designer and programmer
  - We will use Java as you have already used it in the two pre-requisites for this course.
  - Learn the core ideas around software design and implementation methodologies
  - Poor course summary: “You will learn Design Patterns, use version control (git) to collaborate with others to build a reasonably complex software system.”
- Today’s class
  - Course mechanics
  - Introduction to software design
Consise To-do List

- Read course website. Lots of details.
- Get set up using Emacs [optional; recommended]
Homework

- Five total
- To be done individually
- Doing homework involves:
  1. Understanding the concepts being addressed
  2. Writing code demonstrating understanding of the concepts
  3. Testing your code to ensure you understand and have correct programs
  4. “Playing around” with variations, incorrect answers, etc. Only (2) is graded, but focusing on (2) makes homework harder