CMPT 276: Introduction to Software Engineering
What is software engineering?

Is software engineering just a fancy way to say programming?
What is software engineering?

• A software engineer doesn’t just write code. You also have to:
  • Think about the code.
    • Design and plan out architecture, use sensible design patterns
  • Improve the code.
    • Updating, rewriting, cleaning, refactoring
  • Test the code.
  • Maintain/debug the code.

• (Why?) To produce GOOD code.
What is good code?

Alternatively: what is bad code?
Course grading

1. Mid-term
2. Final
3. Group Project!
Project

Objective: Learn about software engineering by doing

- The project will have three phases (three submissions)
- Groups of 4 to 5
- Main grading criteria: code quality and feature richness
What should we do for Phase 1?
What should we do for Phase 1?

• There are answers:
  • Software Development Life Cycle (Ch. 3)
  • Requirements specification (Ch. 4)
  • UML Diagrams (Ch. 5)