

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

Project

What should we do for Phase 1?

Project

What should we do for Phase 1?

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