

CMPUT 301

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Motivation

Discussion

What is software engineering about?

“Software Engineering”

Link:

http://en.wikipedia.org/wiki/Software_engineering

“It is a ‘systematic approach to the analysis, design, assessment, implementation, test, maintenance and re-engineering of software, that is, the application of engineering to software.’ ”

Weinberg's Second Law

Quote:

“If builders built buildings the way programmers wrote programs, then the first woodpecker that came along would destroy civilization.”

Quote:

“Software and cathedrals are much the same—first we build them, then we pray.”

Sam Redwine

Discussion

Why is developing quality software on-time and under budget so difficult?

“Good Code”

<http://xkcd.com/844/>

“How Projects Really Work”

<http://www.projectcartoon.com/cartoon/2>

Course information

Goals

Learn and apply:

effective software development practices

focusing on:

- team project
- design
- tools
- practicality

Project

Learn and apply:

effective software development practices

We will be role-playing.

It's a popular system called Agile Software Development.

A little bit like D&D except no combat please.

I am the customer.

The TAs will be the managers.

You'll be the programmers.

Materials

Eclass Moodle site:

outline

schedule

course work

reference materials

lecture and lab notes

Materials

Website:

outline

schedule

Assignments

reference materials

lecture and lab notes

Communication

Eclass discussion forums:

announcements

questions and answers

please be courteous

also help each other out

Also I will use this for participation.

Communication

- Check the help page of the website.
 - <https://ualberta-cmput301.github.io/general/help.html>
- Do not email instructor: use the contact form instead.
 - It's on the help page.
- Discussion forum is preferred.
- Instructor office hours are in the outline.
- TA office hours are in the eClass.