#### Ken Wong

Department of Computing Science University of Alberta



### 



#### Discussion

• What is software engineering about?

# "Software Engineering"

- Link:
  - <u>http://en.wikipedia.org/wiki/</u> <u>Software\_engineering</u>
  - "It is a 'systematic approach to the analysis, design, assessment, implementation, test, maintenance and reengineering of software, that is, the application of engineering to software."



- 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 on budget so difficult?

### ° COURSE INFORMATION



#### Goals

- Learn and apply:
  - effective software development practices

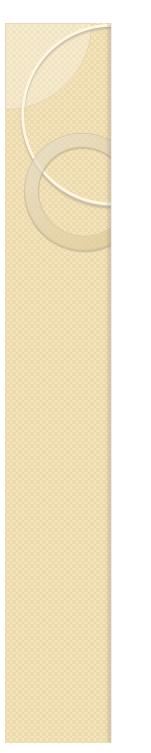
• focusing on:

- team project
- design
- tools
- practicality



#### Materials

- eClass site:
  - o <u>https://eclass.srv.ualberta.ca/</u>
  - outline / policies
  - schedule
  - course work
  - lecture and lab notes
  - blended learning
  - labs start next week



#### Communication

- eClass discussion forums:
  - announcements
  - questions and answers
  - please be courteous
  - also help each other out
  - also considered as "participation"



## Communication

- Instructor email:
  - kenw@cs.ualberta.ca
  - please be concise

#### • Instructor office hours:

- Fridays at 12:00, or
- please email for an appointment