I217: Functional Programming

0. How to Tackle i217

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What You will Learn & be Able to Do

- You will learn
  - CafeOBJ, an algebraic specification & programming language,
  - A systematic way of writing programs/specifications in CafeOBJ, and
  - A way of checking (verifying) that they satisfy desired properties with the CafeOBJ system

  from a number of tiny- and small-sized examples, such as programming language processors, and

- will be able to
  - systematically write programs/specifications in CafeOBJ, and
  - check (verify) that they satisfy desired properties with the CafeOBJ system.

Assessment

- 14 assignments & One examination.
- In the examination, you are allowed to use any paper materials, such as printed lecture notes and any (electronic) dictionaries that does not have any communication devises.
- Score
  - Assignments: 50
  - Examination: 50
  - Total: 100 (50 + 50)

Assignments (1)

- Each class is equipped with one assignment that may consists of several problems.
- What to submit is programs together with a report in which you are supposed to describe (or explain) your programs or the ideas of your programs.
- For each assignment, you are supposed to submit your programs and report as an email attachment that should be *one zipped file* by the designated deadline to the lecturer. Note that Subject should be i217 Assign i, where i is the assignment number, such as 1, 2, or 8-10, and your name and student number should be explicitly written in the email body.

Assignments (2)

- The submission deadline of your programs and report for each assignment is 6:00am of the 14th day following the day when the corresponding class is held. For example, if a class is held on June 14, then the deadline is 6:00am of June 28. Note that for assignments 8, 9 & 10 corresponding to classes 8, 9 & 10, you are supposed to write one report for the three assignments and submit the report and all programs by the deadline of assignment 10.

Assignments (3)

- The scores of assignments are as follows:
  - Each of Assignments 1, 2, 3, 4, 5, 6, 7: 3 points
  - Each of Assignments 8, 9, 10: 5 points
  - Each of Assignments 11, 12, 13: 3 points
  - Assignment 14: 5 points
- The total score of assignments is 50.

What You should Do for each Class

- You are strongly recommended to read the lecture note & program used in the class in advance, and ask the lecturer about what you have not understood at the class.
- You are strongly recommended to go through what you have learned in each class after the class, checking if you have understood the lecture note & program used in the class.

  If you have any questions on them, you can feel free to ask the lecturer on them by sending emails to the lecturer.

What You should Do for Assignments

- You should start tackling assignments as soon as their problems are available.

  Do not wait until just a few days before the submission deadline (this is too late)!
- You can discuss assignment problems with each other.

  Needless to mention, however, you must write your programs & describe your reports (papers) *by yourself*!
- Strongly prohibit you from plagiarizing others' solutions and from allowing others to plagiarize yours!