CSc 422/522 — Final Project

Description due Thursday, April 20

Demonstration May 8 or 9; report or paper due at 9:00 AM on May 10

Grading weight of 40 points for undergrads, 60 points for grads and honors students

For your final project, you are to do one of the following:

- Design and implement a distributed program that makes creative use of several processes. You may use SR, Java, C plus a message passing library (sockets, MPI) or some other language. Your project may use client/server interactions, but it *must* also employ interacting peers. In short, it should have a rich set of process interactions.
- Write a paper that analyses some aspect of concurrent programming; for example, you could study, use, and report on some other concurrent programming language, such as one of those summarized in the text.

Exercise 7.26 of the text gives several ideas for final projects. Many of the other exercises in Parts 2 or 3 of the text could also serve as the starting point for a project. The choice of topic is purposely unspecified; pick something that *you* think would be interesting and educational.

You may work on your own or with one other classmate; two person groups are expected to undertake a more ambitious project. Undergraduate students are not expected to do as ambitious a project as graduate or honors students.

By April 20 give me or email me a brief (one page) description of what you propose to do. I will give you feedback on your proposal by April 25.

If you do a programming project, I would like to see a demonstration. (A sign-up list for demos will be posted in early May.) To the demonstration bring:

- a written description of your project and an assessment of what you learned,
- a block diagram showing the structure of your program, and
- a well-commented program listing.

If you write a paper, it should be about 10-15 pages in length, be your own original writing, and contain a good reference list of the papers or books that you consulted in writing the paper.