CSc 422/522 — Final Project

Description due Thursday, April 22
Demonstration by May 11; report or paper due May 11
Grading weight of 60 points for undergrads and 75 points for grads

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, of course, or you may use another language, such as Java or C plus a message passing library (sockets, MPI).
- 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.

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 students.

The attached sheet describes several possible programming projects. Many of the other exercises in Chapter 10 of Concurrent Programming address topics that could be the basis for a paper.

No later than April 22, give me a brief (paragraph or two) description of what you propose to do; it would be fine to send it by email. I will give you feedback on your proposal by the next class.

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/books you consulted in writing the paper.