CSE 490h/CSE M552
Project 5
Due: 5pm, March 14, 2011

In this assignment, you are to build a peer-to-peer Facebook application, as a front end to your highly available, transactional, cache coherent distributed storage system. You should feel free to make the user interface anything you would like (text command line is fine). The operations your system should support are:

Create a user
Login/logout as user
Request a friend
Accept a friend
Post a message to all friends
Read all messages posted

Facebook operations should be highly available and linearizable. In other words, if the user's process crashes, the data is still available to other users. Updates should appear to all users in the same order, and consistent with real time at commit.   If the user logs out and logs into a different machine, the user should see all of his/her committed updates.

Turn-in instructions are the same as for Project 3. In addition, we will set up a signup sheet for demonstrations for March 14 and 15. For the demonstration, we will want to see your system running on a set of physically separate machines in the lab in 003D.