Our project: 2069

You should execute the Unix command **newgrp 2069** whenever you work on this class. You should also use **newgrp** to change to the appropriate different project number when you are doing work for another class. We are user-budgetting for the course, so if you do not do this, you will run out of computer funds for your CIS-481/681 assignments.

Overrunning your Account

Logging out of the shell does **NOT** kill Lisp jobs. Similarly, if you are logged in remotely and your connection drops, you may still have running lisp jobs, particularly if they were in background mode. Thus each year we have a couple of students who leave run-away lisp jobs running on the composers, thereby using lots of CPU time and using up all of the funds in their computer account. **You do not want this to happen.** To avoid it, you should check to make sure you do not leave a process running. Here is what you should do:

1. Log onto strauss
2. Type **ps -u <your-username>**
3. Notice that the output tells you the Process ID (pid), date started, and CPU time consumed for each process you have running. If one of the jobs running is a lisp job, then terminate it with the command **kill -9 <pid>** where **<pid>** is obtained from the list of running jobs.

Lisp Style

1. Break your code into short functions that accomplish a particular task.
2. Comment each function with a short specification of its parameters and its result. Comments begin with a semicolon.
3. Indent code to reflect level of parentheses.
4. Use a good, descriptive choice of function and variable names.
5. Do not use global variables, **setf, setq**, etc. unless appropriate — ask if you are unsure. **Rarely is it appropriate to use them.**
6. Do not use **prog, do, loop**, etc. Otherwise you will not learn to write recursive functions.