

**CMSI 387-01**  
**OPERATING SYSTEMS**  
Spring 2014

**Assignment 0403 part I Feedback**

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**CSI: Process**

*1a* — More command line practice, more proficiency goodness. (+)

*3a* — You successfully performed the requested activities on two operating systems. (+)

**A Shell of Your Own**

*2c* — You have written an operating system shell—yay! And it hits the requested functionality well. (+)

*4a* — You got `chdir`, the secret system call, `&`, and EOF handling. One bug is the code's inability to handle empty commands; another issue is your code's implicit dependency on C++ compilation. Under a pure C compiler, compilation won't succeed. And, even if it does, full use of parsing in order to execute multi-argument commands will still fail unless you modify the code a little bit (and that modification would be good to do anyway, even in C++). As is, your code is too dependent on some subtle C++ behaviors. (|)

*4b* — At least your code is structured decently—monolithic but straightforward. (+)

*4c* — Your code is mostly cleanly written, except for a few spacing decisions that I would have done differently (noted inline). (+)

**Points to Ponder**

*1b* — You got the last “point to ponder,” but were too restrictive on your definition of “script.” I committed a new file alongside your shell that would have counted as a script—now, can your shell run *that*? (|)

**All**

*4d* — Although you performed the tasks for **CSI: Process** as requested, you missed the deeper exploration that was expected by the questions. The shell itself came out mostly fine, so no information-seeking issues there. Finally, in **Points to Ponder**, you didn't quite get 2 out of the 3 points; that is a gap in understanding which affects the proficiency for this outcome. (/)

*4e* — Commit frequency and messages are appropriate for the work done. (+)

*4f* — Submitted on time. (+)

**Updated feedback based on commits up to 5/6/2014; only reevaluated outcomes are shown:**

*4a* — C++ documentation noted, but issue remains with `wait` function. Parsing bug is fixed, but not inability to handle empty commands. Some progress, but not enough to go up. (|)

*1b* — Definition of “script” expanded, resulting in a better answer. (+)

*4d* — The answer to the first “point to ponder” sounds a little closer but still misses the expected point about `cd`. However the answer regarding scripts has improved. (|)