CMSI 387-01
OPERATING SYSTEMS
Spring 2013

Assignment 0321 Feedback

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(this feedback is based on commits up to May 3)

1a — You were able to work the command line and terminal windows effectively to get the requested shots. Congratulations on figuring out how to get the appropriate commands/applications to display threads, on both Linux and Windows! (**+**)

1b — In terms of working with processes and threads, your screenshots were on the money. Your observations about threads were in the right direction, particularly for Windows, but could have gone a little bit more in Linux with additional investigation of the ps command. But you have done enough to merit full proficiency here. (**+**)

1d — Your answers to the I/O related questions correctly identify the significance of ctrl-D, but misses the notion of a script a bit. What is missing in the latter is a little more lookup and thus knowledge on what a "shell script" is. (**|**)

2c — You successfully implemented the cd functionality requested for your shell and generally understand why it is different from other commands, with a little exception (see my inline comments). Two other functionalities remain missing though (background processes, easter egg). (**/**)

3a — You were able to accomplish this process business successfully on two platforms. (**+**)

4a — As mentioned, you do have a good start to a shell, but functionality is incomplete, and the one you do have includes a control flow flaw (already referenced in *2c* and the inline comments). In addition, your implementation does not successfully relay command-line arguments to the exec call, nor can it handle commands with more than one argument. (**/**)

4b — Your code shows decent separation of concerns, given the scope of what it does. (**+**)

4c — Your code is readable, by and large, with the exception of some stray tab characters. These have the effect of messing up indentation in some editors for the lines that contain these tabs. (**|**)

4d — You did very well with your process/thread work, particularly with respect to finding the *ProcessThreadsView* application in Windows. But as mentioned, you have some way to go with your shell. Still a good amount of documentation and web lookups to do there. (**/**)

4e — Your single commit can be considered appropriate for the process screenshots, and given the state of your shell it is reasonable to be at its current number of commits. However, you did commit a.out and shouldn't have, because that is a build product. (**|**)

4f — Not submitted on time. (**–**)