CS 3013/502 Project 1 grading test suite
Vivek Jagadeesh
E-1 24
Professor Wills

Tests run against student code:

Part 1 – Basic Command execution
1. Ls -a – tests basic fork/exec functionality with only 1 additional argument
2. Sleep 5 – tests time structs and ensures that all the fields are there and reported correctly
3. Echo 1 2 3 4 5 6 7 8 9 10
    a. This tests that enough space was allocated for arguments

Part 2 – Basic Command shell
1. All of the above tests in "shell mode"
2. Cd .. then pwd to ensure that changing directories works.
3. Set prompt = * to test set prompt
4. Exit to test exiting
5. ctrl+D to test that EOF exits the program

Part 3 – background tasks
1. Sleep 5&, run ls -a while that's running in the background to test that background tasks work
2. Sleep 10& then exit using the exit prompt to test what happens when you kill the program and there is still background tasks.Should wait for all programs to terminate before exiting
3. Sleep 10 & then jobs to ensure pid and index are both listed.
4.