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Team 54

Lab 1 Write Up

1. proc.h
    a. Added variable to keep track of process status
2. proc.c
    a. Modified exit() function and now takes in and stores status code
    b. Modified wait() function and now takes in and updates status code
    c. Added waitpid() function that now allows a pid to be waited
3. cat.c, echo.c, forktest.c, grep.c, init.c, kill.c, ln.c, ls.c, mkdir.c, rm.c, sh.c, stressfs.c, trap.c, usertests.c, wc.c, zombie.c
    a. Changed all exit() calls to take in a 0, wait(0), if exiting with no error, and 1, exit(1), if exiting with an error
    b. Changed all wait() calls to wait(0)
4. defs.h, user.h,
    a. Changed exit() function to take an integer called status as an argument
    b. Changed wait() function to take in a pointer to an integer called status as an argument
5. usys.S
    a. Defined SYSCALL(waitpid)
6. syscall.c
    a. Updated exit system call from (void) to (int)
    b. Updated wait system call from (void) to (int*)
    c. Added waitpid system call
7. syscall.h
    a. Defined value for SYS_waitpid
8. sysproc.c
    a. Updated sys_wait now returns wait with the status provided in the argument
    b. Updated sys_exit now exits with the status code provided in the argument
    c. Added sys_waitpid, returns the value of waitpid(pid, status, options)
9. test.c
    a. New file added for testing changes in waitpid
10. test_celebw02.c
    a. Added so we can run the calebw02 tests when we run xv6
11. Makefile
    a. Added our tests so that we can run them when we run xv6
12. alias.txt
    a. Added required alias file