

Project 1 Readme

OPERATING SYSTEMS

FALL 2015

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Project Members

For Project 1, the team members are

Nicolas Cardenas

John Gregulak

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Contents of TAR Archive

Inside the TAR Archive, there is the Readme and then Final Project Description and all source files. Also included are the files listed below

README – Project1.pdf

Final Project Report – Project 1.pdf

background.c

background.h

main.c

parse.c

parse.h

pipe.c

pipe.h

shell.c

shell.h

test_functions.c

test_functions.h

utility.c

utility.h

makefile

Version of Linux

The version of Linux used was Linux 3.18.11-gentoo #3.

How to Compile Using Makefile

To compile using our makefile, simply type 'make'. The executable will be named 'shell.x.' An additional executable test.x is created. This executable was used in the earlier stages to test functionality before the shell was created.

By typing 'make clean', it will remove all build files and executables.

Known Bugs

- When typing `cd ../` at root, the shell changed PWD to `//`
- A non-deterministic bug was found when running the shell early on: Any command called (even valid) would not run. The arguments were parsed to absolute paths equal to `$PWD/[cmd_entered]`. Not even `exit` would work in this situation. However, later on in the project, the shell was run a few thousand times with a text file input and no error occurred. It is believed at this time that this bug is fixed.

Special Considerations

There are no special considerations for this project.