

CSC 345 Project 1 Report  
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Requirements Implemented:

- My program displays the up to date working directory and prompts as osc:(pwd)> where (pwd) is replaced with the personal working directory
- The personal working directory changes with each cd command
- I use child processes to execute commands
- I can repeat the last command executed with !!
- My program supports input and output redirection
- My program changes to non canonical mode at the beginning of the program to support arrow key history management, then switches to canonical mode when the program exits.

I do not support the usage of pipes.

```
mingco@OneMillion:~/TCNJ/Spring24/CSC345/Project/Project1$ make
gcc -o main main.c
mingco@OneMillion:~/TCNJ/Spring24/CSC345/Project/Project1$ ./main
osc:Project1>ls
Makefile Makefile~ a.txt in.txt in.txt~ main main.c main.c~
osc:Project1>ls -l
total 68
-rw-r--r-- 1 mingco mingco  43 Feb 15 13:01 Makefile
-rw-r--r-- 1 mingco mingco  43 Feb 15 13:01 Makefile~
-rw-r--r-- 1 mingco mingco 383 Feb 17 23:05 a.txt
-rw-r--r-- 1 mingco mingco  57 Feb 17 23:15 in.txt
-rw-r--r-- 1 mingco mingco  57 Feb 17 23:15 in.txt~
-rwxr-xr-x 1 mingco mingco 21536 Feb 17 23:17 main
-rw-r--r-- 1 mingco mingco 13258 Feb 17 23:07 main.c
-rw-r--r-- 1 mingco mingco  7485 Feb 16 04:10 main.c~
osc:Project1>cd ..
osc:Project>cd Project1
osc:Project1>cat < in.txt
Sample test to run
Use command cat < in.txt
Hello there!
osc:Project1>ls > a.txt
osc:Project1>vim a.txt
osc:Project1>!!
osc:Project1>ls
Makefile Makefile~ a.txt in.txt in.txt~ main main.c main.c~
osc:Project1>!!
Makefile Makefile~ a.txt in.txt in.txt~ main main.c main.c~
osc:Project1>exit
mingco@OneMillion:~/TCNJ/Spring24/CSC345/Project/Project1$ |
```

[illegible]