

# *Cover Page*

Implant:

Basic Requirements:

cd, (support path, ~ and white space)  
I/O redirections (w/ append),  
single pipe

Extra Credit:

comments (#) – 1 pt.  
multiple-commands (;) – 1 pt.  
exit (exit, exit number) – 1 pt.  
single quote (\') – 2 pts.  
multiple pipes – 3 pts.  
overall – 8 pts.

# Manual Page

Documents:

1. Didn't find any bugs. :)

2. I compare my nsh with /bin/sh when running my test\_script and the output is the same, except the current running process when I run ps aux.

3. In my test\_script, first I printed the section that I am currently testing first.

Then for each command, I printed the command/description first, then executed them. So it will be easier to read the output of my test\_script. (there are new lines in between each commands and sections.)

Notes:

1. I redirect my output result of my test\_script to different directory and delete the testing directory —dir, so when I ls in sh and nsh will be the same. Or the second one I run will print the previous one's output result.

2. /bin/sh test\_script > ../sh\_res

and

nsh test\_script > ../nsh\_res

needs to run at the same directory to be able to have the same result, when I am testing, I put cd /home/lizhenl/cs146/hw6 in the end of my script, so it can guarantee the ls will give same result. But due to I don't know the hierarchy of the testing environment, so I commented the command out. So when running my test\_script please make sure they run at the same directory.

## How to run the shell:

make clean (optional)

make

nsh

?enter commands here (support ;)

?Ctrl +D to terminate

```
/bin/sh test_script > ../sh_res
```

Please cd back to the original directory, because right now you will be at HOME directory

```
nsh test_script > ../nsh_res
```

```
diff ../sh_res ../nsh_res > diff_res
```

```
cat diff_res
```

Note: there should some differences, like the current running process, the folder's creation time.