



# Unix system

## Minishell 2

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*Abstract:*



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## .1 Administrative details

- Your sources shall be turned-in on the `PSU_year_minishell2` directory  
ex: `PSU_2013_minishell2` for the 2013-2014 solar year
- Your binary shall be compiled with a Makefile
- Your binary shall be named `mysh`



## .2 Subject

- The goal of this project is to take your `minishell1` and to make it handle the ';', the pipes '|' and the four redirections '>', '<', '»' and '«'.
- Simple example :

```
1 $> mkdir test ; cd test ; ls -a ; ls | cat | wc -c > tutu ; cat tutu
2 . . .
3      5
```

- The filedescriptors aggregation, for example the error output, are optional
- Example with `tcsch` :

```
1 $> cat toto >& /tmp/titi
```



## .3 Authorized functions

- The minishell1 authorized functions
- pipe
- dup
- dup2