Phillip Stewart
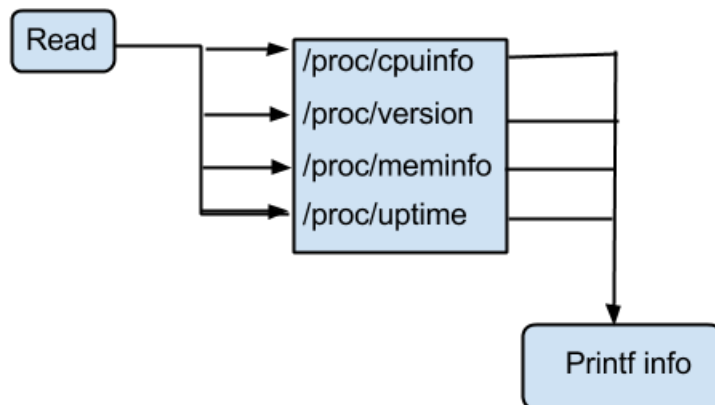phillipwstewart@csu.fullerton.edu
CPSC 351, Project 4
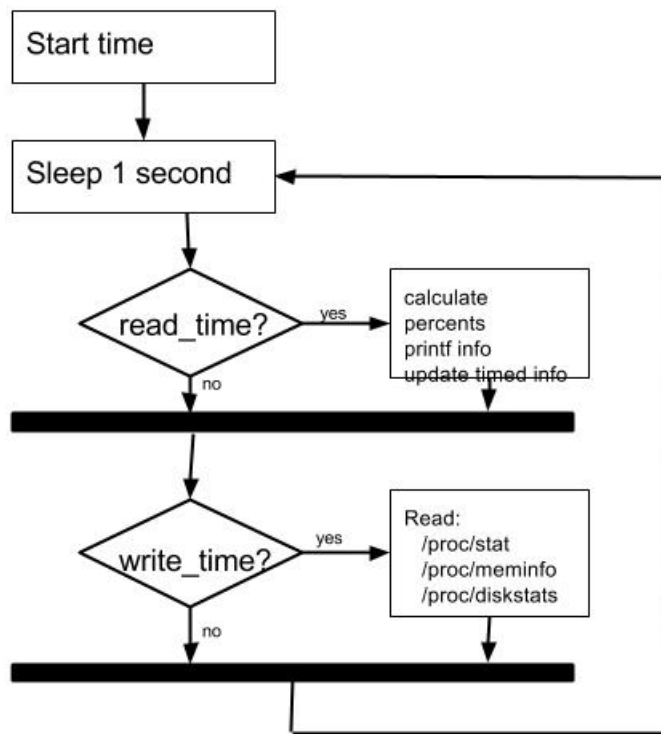
# Design of Project 4

## Part 1:

The first portion is a simple system information display. Information is gathered from `/proc/` files and printed to the terminal.



## Part 2:

The second portion displays information over intervals (similar to `top`).

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## Part 3:

The final part of this project is a shell program. The shell is capable of running programs and navigating the directory tree. The shell can background and pipe programs, and can display job information.

```
Prompt
  │
  ▼
Parse command
  │
  ▼
if &, set to background

if pipe, fix-up streams
  │
  ▼
fork()
execvp()
```