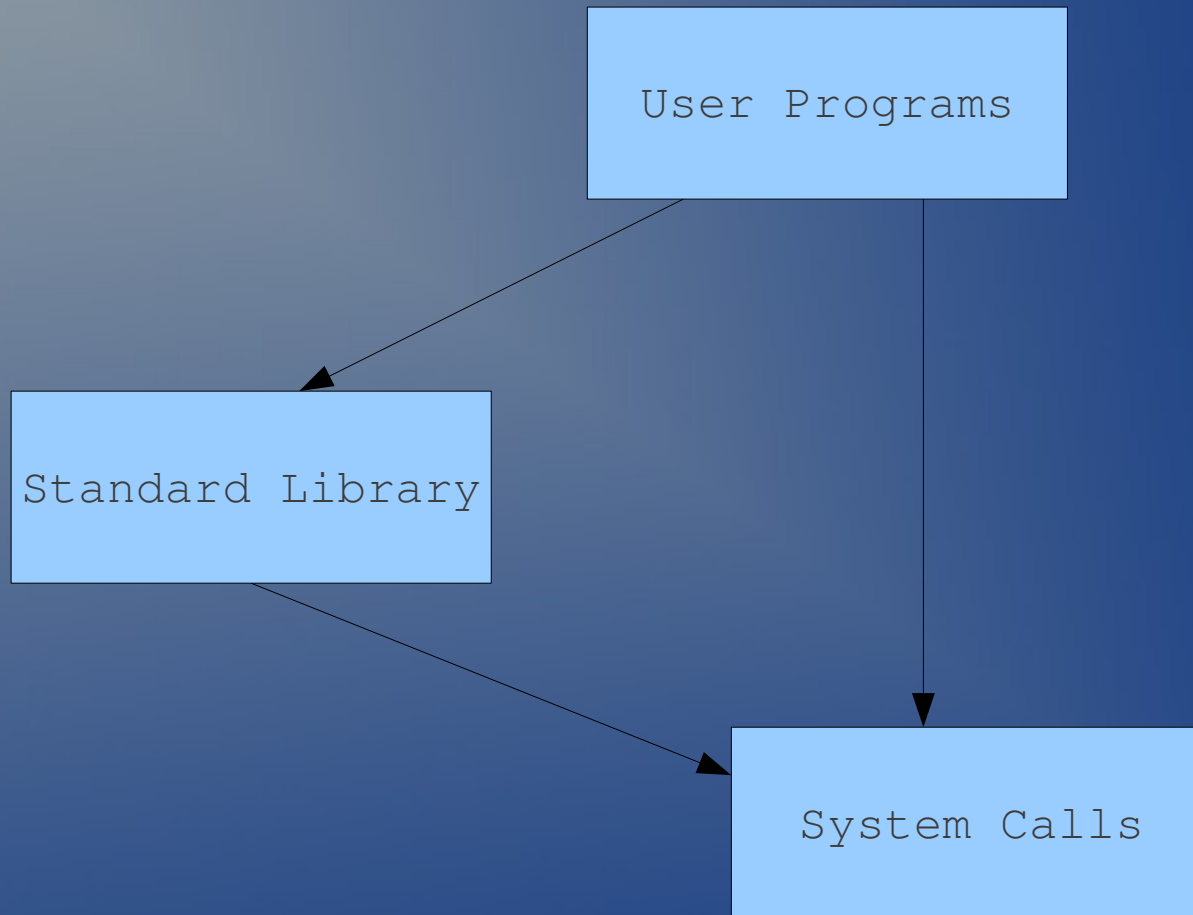# ISA 563: Fundamentals of Systems Programming

Files and Directories

Feb. 12, 2012

Standard Lib and System Calls

File IO: Common System Calls

- creat

- open

- write

- read

- close

- lseek

- unlink

- stat/fstat

```
#include <sys/types.h>
#include <sys/stat.h>
#include <unistd.h
```

Demo

finfo.c

Directories: System Calls

- opendir

- readdir

- closedir

- scandir

- ...

Demo

dir.c

File IO: Common libc Functions

- fopen
- fgets
- fputs
- fread
- fwrite
- fseek / ftell / rewind
- fflush