

Project 5: File Systems

Important Dates

Questions about the project? Send them to `537-help@cs.wisc.edu`.

Due: Friday 05/13 by whenever.

Overview

There are two parts to this project:

- [File System Checker](#): to be done on the mumble lab, so you can learn more about programming in C on a typical UNIX-based platform (Linux)
- [File System with Small File Optimization](#): to be done in the xv6 hacking environment.

Click on the above links to learn more about what you should do. **READ EACH CAREFULLY!**

NOTE: For part B, definitely start with this kernel: `~cs537-1/ta/xv6/xv6.fspatch.tar.gz`

Notes

This project, like all others this semester, can be done with a single partner. Copying code (from other groups) is considered cheating. Read [this](#) for more info on what is OK and what is not!

Handing It In

The handin directory is `~cs537-1/handin/login/p5` where `login` is your login.

For the C/Linux part of this project, you should copy whatever is needed to build the checker (including a makefile) into the `linux/` subdirectory.

For the xv6 part of the project, copy all of your source files (but not `.o` files, please, or binaries!) into the `xv6/` subdirectory of your `p5` directory. A simple way to do this is to copy everything into the destination directory, then type `make` to make sure it builds, and then type `make clean` to remove unneeded files.

Finally, into your `p5` directory, please include a `README` file. In there, describe what you did a little bit.

If you have a partner, please create a file called `partner.login` under the `p5` directory that contains only your partner's CS login (and nothing else). Both partners should create the `partner.login` file, but only one partner should submit code.