Goals

Implementing a disk subsystem

This approximately one-hour active learning exercise will you help you make progress on the practical aspects of developing your operating system.

Instructions

1. Now that you have the “raw” storage (as HTML5 Local Storage), implement a file system API supporting the commands specified in your Issues and Final Project.
2. The test commands given in the resources section below give you a good idea of what to expect in terms of file system usage from the CLI.
3. Remember, your scheduler or context switcher will make use of the file system too, so be mindful of that in your design.
4. Add the features as specified in your Issues and Final Project.
5. Test.
6. Read chapter 12.1.1 in the 8th edition of our text.
7. Read chapters 11.1 through 11.5 in the 8th edition of our text.

Questions

1. What now?

Resources

- Chapter 8 in https://gustavus.edu/+max/os-book/
- Chapter 37 in http://pages.cs.wisc.edu/%7Eremzi/OSTEP/
- Testing your file system:
  format
  create alan
  write alan "this is a test."
  ls
  read alan
  write alan "this"
  read alan
  write alan "12345678901234567890123456789012345678901234567890"
  read alan
  delete alan
  ls
  read alan

Grading

Your work on this lab will contribute to your grade for the Final Project.

Submitting

Commit your work to your private GitHub account in an appropriately-named folder. Make sure to tag your commit messages with the Issue number they address.