

# Operating Systems

CMPT 424

## -Lab 9

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Goals	<b>Implementing a disk subsystem</b> This approximately one-hour active learning exercise will help you make progress on the practical aspects of developing your operating system.
Instructions	<ol style="list-style-type: none"><li>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.</li><li>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.</li><li>3. Remember, your scheduler or context switcher will make use of the file system too, so be mindful of that in your design.</li><li>4. Add the features as specified in your Issues and Final Project.</li><li>5. Test.</li><li>6. Read chapter 12.1.1 in the 8<sup>th</sup> edition of our text.</li><li>7. Read chapters 11.1 through 11.5 in the 8<sup>th</sup> edition of our text.</li></ol>
Questions	<ol style="list-style-type: none"><li>1. What now?</li></ol>
Resources	<ul style="list-style-type: none"><li>• Chapter 8 in <a href="https://gustavus.edu/+max/os-book/">https://gustavus.edu/+max/os-book/</a></li><li>• Chapter 37 in <a href="http://pages.cs.wisc.edu/%7Eremzi/OSTEP/">http://pages.cs.wisc.edu/%7Eremzi/OSTEP/</a></li><li>• Testing your file system: format create alan write alan "this is a test." ls read alan write alan "this" read alan write alan "1234567890123456789012345678901234567890123456789012345678901234567890" read alan delete alan ls read alan</li></ul>
Grading	Your work on this lab will contribute to your grade for the Final Project.
Submitting	Commit your work to your <b>private</b> GitHub account in an appropriately-named folder. Make sure to tag your commit messages with the Issue number they address.