

CS444 Assignment 2

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2016-Oct-23

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I. DESIGN PLAN

II. CONCURRENCY QUESTIONS

1. We feel like the purpose of this assignment was to learn how to understand code that is poorly documented. We also learned how schedulers work and how implement new schedulers.
2. We approached this problem in pieces. First we read over chapter 2 about I/O and then we took the time to read through the noop scheduler and Kconfig files to try to understand how it worked. Next we copied the noop scheduler to a new file in order to make our own scheduler using C-look. C-look only goes in one direction so we go through checking and placing requests in the correct spot then cycling through again from the beginning.
3. In order to make sure that our solution worked we had to first make sure it was the default scheduler for the virtual machine. After making sure that our scheduler was the default we made a test script that would print out whether the scheduler was working correctly or not.
4. We learned how to work with already created code. Since we started with a premade file and made changes to it we had to do a lot of research on how the original file worked in order to understand what needed to be changed. We also learned how to work with schedulers and how to implement our own scheduler on the virtual machine.

III. VERSION CONTROL LOG

TABLE I
GITHUB LOG

Michael Phelps, Sun Oct 23 12:23:16 2016 -0700 : fixed looping issue
Michael Phelps, Sat Oct 22 17:33:56 2016 -0700 : minor fix
Michael Phelps, Sat Oct 22 16:55:56 2016 -0700 : added sorting to the add request method
Michael Phelps, Wed Oct 19 11:16:24 2016 -0700 : changed name
Michael Phelps, Wed Oct 19 11:05:53 2016 -0700 : added iosched to git directory

IV. WORK LOG

TABLE II
FULL LOG

Michael Phelps and Daniel Garlock, Mon Oct 24 10:00:00 : Meeting to finish project 2
Michael Phelps, Sun Oct 23 12:23:16 2016 -0700 : fixed looping issue
Michael Phelps, Sat Oct 22 17:33:56 2016 -0700 : minor fix
Michael Phelps, Sat Oct 22 16:55:56 2016 -0700 : added sorting to the add request method
Michael Phelps, Wed Oct 19 11:16:24 2016 -0700 : changed name
Michael Phelps, Wed Oct 19 11:05:53 2016 -0700 : added iosched to git directory
Michael Phelps and Daniel Garlock, Wed Oct 19 10:00:00 : Meeting to distribute workload
