

Sam Kessler

CISC 3320

Homework 4

Background

Author: SK

Roles: all

Restatement of the problem statement:

Implement the three disk scheduling algorithms: FCFS - First Come First Serve, SSTF - Shortest Seek Time First, SCAN aka Elevator algorithm.

1. Arguments should be entered through the command line arguments in the format:
`./disk-scheduler <initial-pos: integer> <direction: string - "upwards" | "downwards">`
2. I originally copied all the requests into a queue for the FCFS algorithm but then realized it was unnecessary as I could just linearly iterate over the requests to address them.
3. I can use a template function whenever I want to linearly iterate over a container as this step is repeated behavior
4. Not an assumption just something I noticed, this dataset for the scan algorithm doesn't help satisfy all edge cases as all the requests are above the initial head position. However, I did verify that my algorithm works for any head position.