

CSC369 Week 4 Notes

Hyungmo Gu

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1 Scheduling

- Scheduling Algorithms: FCFS
 - FCFS means **First Come First Serve** ^[1]
 - Is the easiest and most simple CPU scheduling algorithm ^[1]
 - Offers non-preemptive and pre-emptive scheduling algorithm ^[1]
 - Is easy to implement and use ^[1]
 - Is poor in performance, and wait time is high ^[1]



References

- 1) Guru 99: What is CPU Scheduling?, link
- Scheduling Algorithms: Shortest-Job-First
 - Is also called **Shortest Remaining Time**

- Chooses the process with the shortest processing time
- Need to know processing time in advance
- Is applied in batch environments where short jobs are given preference ^[1]
- Is NOT ideal method in a shared system where the required CPU time ^[1] is not known

References

1) Guru 99: What is CPU Scheduling?, link

- Scheduling Algorithms: Round Robin
- Priority Inversion
- Scheduling Algorithms: Multi-Level Queue Scheduling
- Feed Back Scheduling
- Linux 2.6 CPU Scheduling