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Chapters 1 – 4

Complete on this Microsoft Word® document.

1. Discuss process scheduling. (20 points)

Process Scheduling happens after the job as already been accepted and gone through the Job Scheduler. The purpose and job of the process scheduling is it takes over. It takes responsibility for the function. The process scheduling is the lower-level scheduler with the job scheduler being the higher-level. The process scheduling also figures out the execution steps and is based on certain criteria to figure out what steps it should take to efficiently accomplish the task.

1. Discuss process scheduling algorithms. (30 points)

There are multiple scheduling algorithms: first come first serve, shortest job, shortest time remaining, priority there are more but those are the ones that I remember. The most common is the first come first serve algorithm. Its job is based on the time the job arrived. It is self-explanatory first come and gets to be served first. This algorithm also used what’s called first out and in. The only downside to this popular algorithm is the time it takes to get back to the user the time varies depending on how big the job is. Shortest job is based on the length of the cycle time one of the disadvantages to the algorithm is that it does work in interactive systems. The shortest time remaining is when the short jobs are given priority within the system. This algorithm also cannot work within a interactive system.