Project title

Jonathan Cawood 45887454

Introduction (1/2 page)

This project is centrally based upon the understanding of job scheduling and algorithms of job scheduling which through the utilization of algorithms can control in which manner the server scheduled jobs and therefore will have differing effect on the productivity of the server. With successful completion of the project the development and implementation of a new scheduling algorithm will outperform one or more of the current traditional algorithms which are, First Fit, Best Fit and Worst fit. The improvement will be determined with the quantitative metrics of turnaround time, resource utilisation, rental cost.

Problem definition (1/2 page)

Algorithm description (1 page)

Implementation (1/2 page)

In the implementation of the newly developed scheduling algorithm, data structures were used in assistance, two classes were defined, a server class to be able to store information of servers, and a job class to be able to store the right information about to be scheduled jobs, both these classes have getters and setter functions enabling the setting of variables and the retrieval of values. Additionally, a function for the new algorithm was created to be called enabling modularisation, within the function was the process in which the new algorithm would function and the actions in which would produce a more efficient process meeting guidelines for this task. (the name of the new function).

Evaluation (2 pages)

Conclusion (1/4 page)

References (1/4 page)