Minimisation of Average Job Scheduling Turnaround Time

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Introduction

The aim of this project as a whole is to create a client that is based on a pre-existing simulator called 'ds-sim'. The goal is to implement a script that can schedule jobs to a server based on several different factors.

Stage 2 of the project revolves around the idea of improving upon an existing algorithm with the goal of achieving one of more of the following goals: - Minimisation of average turnaround time - Maximisation of average resource utilisation - Minimisation of total server rental cost

I have chosen to improve upon the best-fit algorithm with the goal of minimising the average turnaround time for scheduling jobs.

Problem

Algorithm

Implementation

Evaluation

Conclusion

References

1. GitHub Repository https://github.com/Jakeeem/COMP3100-Assignment-2/