

ABSTRACT

IMPLEMENTATION OF MULTILEVEL FEEDBACK QUEUE ALGORITHM FOR FOOD ORDER APPLICATION IN RESTAURANT ON ANDROID AND iOS PLATFORMS

By

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Rapid business development encourages every entrepreneur to create a different service to attract customers. Fast service is its own attraction for customers. Implementation of queuing or scheduling system on chefs can be used to avoid a high stack of ordering food in the chefs, so that serving times can be done quickly. Multilevel Feedback Queue scheduling algorithm is one of the CPU scheduling in the computer operating system. Multilevel feedback queue algorithms allow the process to move the queue. If a process is too time consuming, then the process will be moved to a lower queue. Therefore the interaction process becomes fewer and it reduces CPU time. On this research, we developed a food ordering web application on Android and iOS by applying multilevel feedback queue to create a queue ordering food at the chefs. The time obtained from multilevel feedback queue methods faster 30 minutes 48 seconds from the first come first serve method.

Keywords: Android, iOS, Restaurant, Queue, Web Application.