CSE344 HOMEWORK 5 REPORT

Yağız Hakkı Aydın

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threadpool.h :

initializeConsumerThreadPool() Initializes the consumer thread pool by allocating memory for thread-related data structures.

consumerThreadFunction() The function executed by each consumer thread. It waits for the buffer to have data, retrieves a file from the buffer, and performs the file copying operation.

producerThreadFunction() The function executed by the producer thread. It traverses the source directory, creates destination directories if necessary, and copies files from the source directory to the destination directory.

startProducerThread() Starts the producer thread with the provided source and destination directories.

main:

main() Read command-line arguments for buffer size, number of customers, source directory, and destination directory. It then initializes the buffer, consumer thread pool, and starts the producer thread. It waits for the threads to finish and performs cleanup.

ekran görüntüsü, metin içeren bir resim

Açıklama otomatik olarak oluşturuldu