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Consumer Documentation

This document outlines the design of the consumer program created for homework 2 of cs5260. The program is built in Javascript using Node.js, and makes use of the AWS.S3 Javascript API.

Design

The program is fairly simple. Using the AWS.S3 API, bucket 1, which contains requests, is queried using the `listObjects` function. The requests returned from bucket 1 are sorted and the first request is popped off the top of the array. Using the `deleteObject` function, the object is then removed from bucket 1. Upon deletion, the object is pushed to bucket 2 using the `putObject` function.

This process is repeated in a while loop indefinitely. If no requests are found, the program waits for 100 milliseconds and then checks again.

Output

Output is logged to the console. Due to time constraints, I was unable to use an external library for logging or command line arguments, however, a sample log file is included, and the program does run properly in cloud9, as shown in the image below.