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CS 214

Assignment 4 – Bank System

Read Me

Description

This program is made up of two parts: a client and a server. The client takes in the name of the server and is basically just a walkie-talkie, relaying messages back and forth to the server. The client has two threads one for reading and one for writing. The server has a thread waiting to handle clients, then creates new threads to interact with each one.

In order to manage shared resources and data and avoid race conditions, the server uses a mutex to lock data so only one thread can use it at once. This prevents 2 or more users from accessing the same variables and code blocks at the same time.