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CIS 457

**GV-NAP Project Report**

Completion percentage:

For the percentage completion I would say my project meets 80 – 90 percent of the guidelines. The entire system works linearly, the users must enter commands in a certain order to flow through the program. That is about the only difference, mainly because it is a terminal command interface instead of a gui. The central server keeps track of users and files in the working directory, also deleting the user and their specific keyword when they quit. There also isn’t a quit button but if the user enters quit in any command they will be kicked out and their credentials will clear on the central server.

Basic Logic/ Implementation:

This is a multithreaded server that guides the user through the program and gets their signing credentials and file keyword. They can then get a list of files matching the keyword they enter and download a file from that list. This is a linearly moving program which was a problem and helped at the same time. If the user doesn’t quit, they will be in a loop of looking for a list based on a keyword and downloading a file then the program asking if they want to quit. The central server will stay open for other users and will accept any number of users.

Problems:

Having the program be linear helped and hurt. It was nice that everything moved together and had a certain path while running, but when something went wrong it took a minute to fix it. I had to find where it went wrong in both programs and fix and restructure them, so they work together. Other than that, it wasn’t too difficult of a project, just a lot of testing and making sure everything is working. Having to do a gui would have been horrible.

Text

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