

## Login microservice Information and Instructions

---

To request data, you must enter one of the command words into the "login\_input.txt" file located in the project's root directory. The three command words are "login", "logout", and "register", all lowercase, exactly as shown here.

If the microservice detects the word "login" in login\_input.txt, then the console that the microservice is running in will show a prompt for the user to enter in their account information. The account must already exist, and the microservice will check the accounts folder to see if an account exists with the specified credentials.

If the microservice detects the word "logout" in login\_input.txt, then the microservice will log out the active user, and the console that the microservice is running in will print a message confirming that the current user was logged out.

If the microservice detects the word "register" in login\_input.txt, then the console that the microservice is running in will show a prompt for the user to enter in account information for a new account. After the information is entered, the microservice will create a new account in the accounts folder with those credentials.

As for receiving data, the program that you make that uses my microservice can see every existing user in the accounts folder. Each user has their own txt file, and each file contains their credentials in the format Username, Password. For example, if there was an account with the username "CS361" and the password "12345", there would be a file in the accounts folder named "CS361.txt", and the text inside the file would say "CS361, 12345". I have included a couple of premade accounts as examples.

Your program can determine which user is currently logged in by looking inside of the "current\_user.txt" file located in the project's root folder. This folder contains the credentials of the currently logged in user with the same format shown above. If no user is currently logged in, then "current\_user.txt" would be empty.

To be clear, "login.py", "login\_input.txt", "current\_user.txt", and the "accounts" folder are the only things in this repository required for the microservice to function. Everything else in here is just my class project. (Though feel free to check out my code!)

Below is a UML sequence diagram of the process of logging in a user.

