Socket Programming Group Assignments

Guidelines on how the socket app work

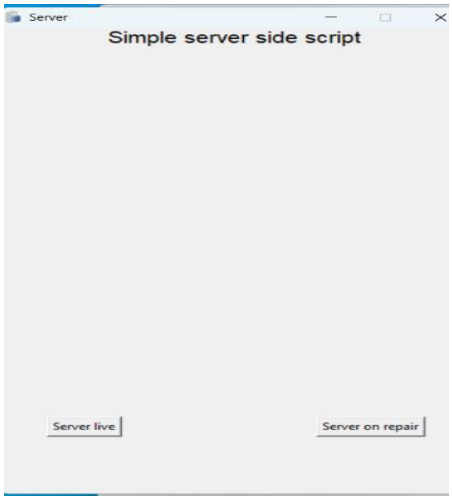
February 21, 2023

How the program works

This program is created to show how socket programming work. We create simple server and client-side programs with python programming language. The server-side app serves to initialize the server, disconnect the server, and communicate with the client-side app. The client-side app has three service display numbers of users recorded by the server side, login if matches the user account found on the server side and create a new account, and record into the server side.

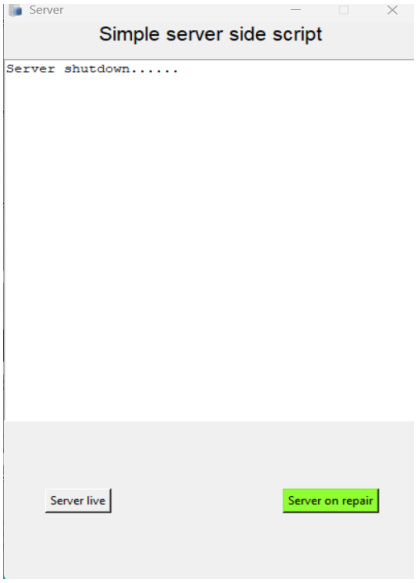
Server-side app

1. Unzip the socket program zip folder and open the ServerApp folder then server and run Server.exe



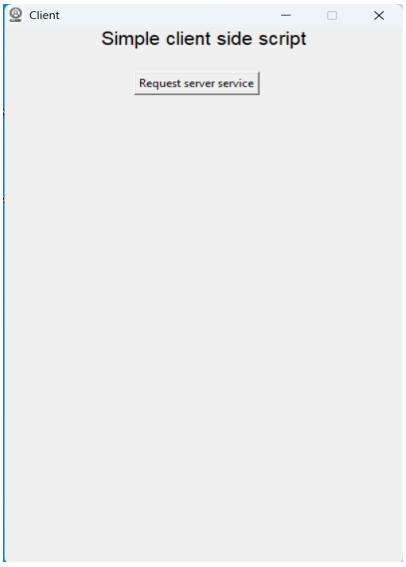
2. Start server click the Server live button

3. Shutting down the server for repair server click Server on repair

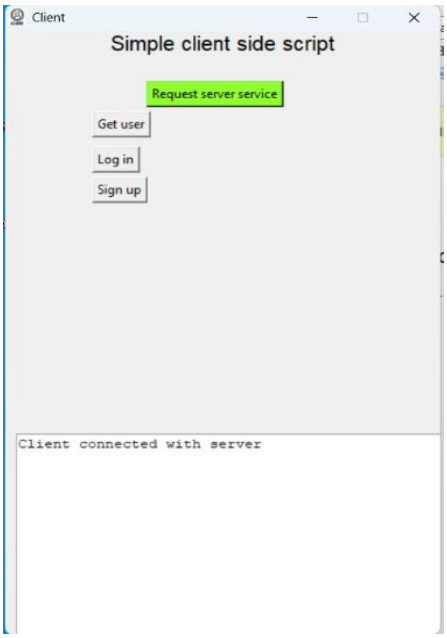


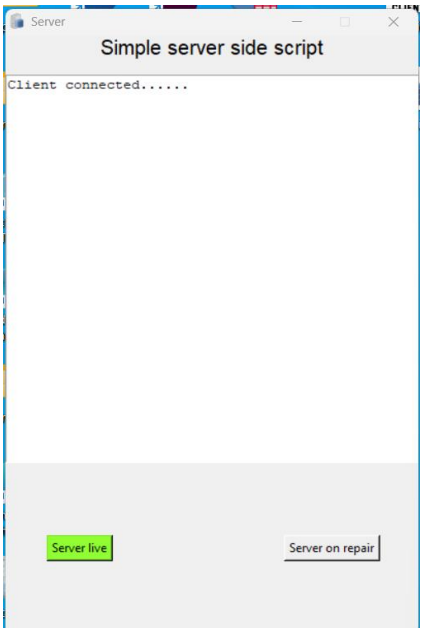
Client-side script

1. Unzip the socket program zip folder and open the ClientApp folder then client and run Client.exe



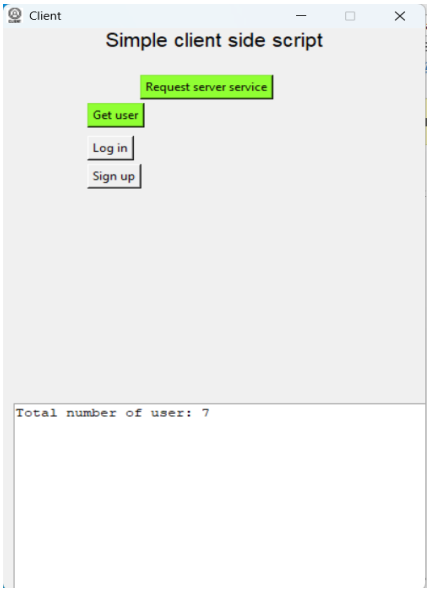
2. To get the service the client app serves click Request server service

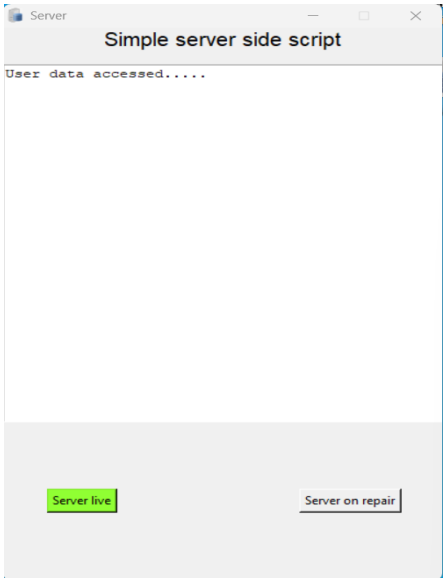




Client-side app Server-side app

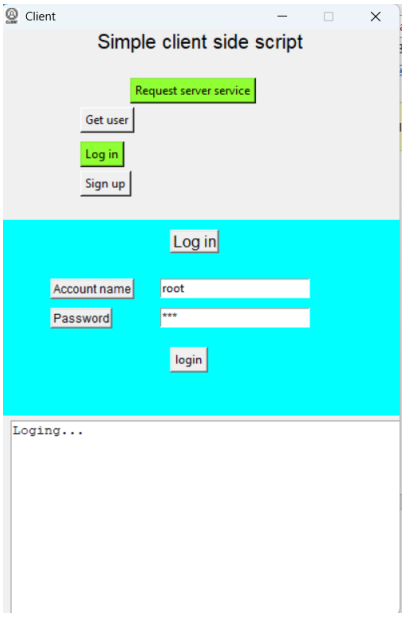
3. The first service the client app offer views a number of users signed into the application click the Get user button to see.

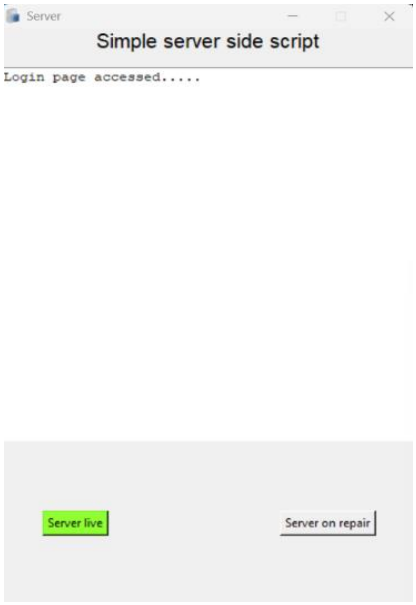




Client-side app Server-side app

4. The second service login in with the registered valid account click Log in. use account name “root” password “123” or create a new account on Sign up page and use to test the app functionality.

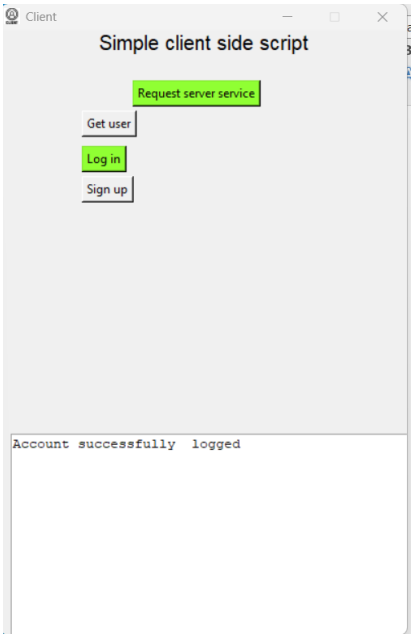


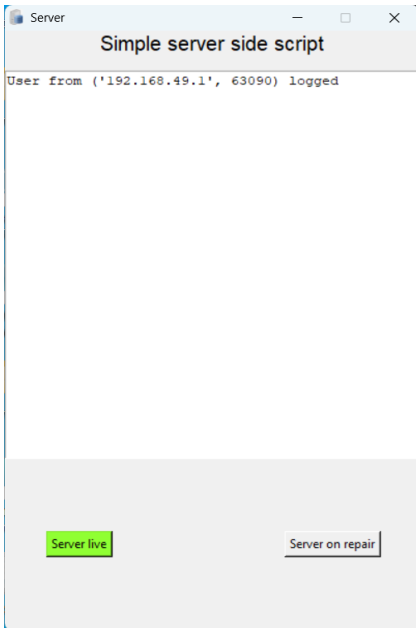


Client-side app

Server-side app

- If the account and password match found in the account verification file this page will happen.

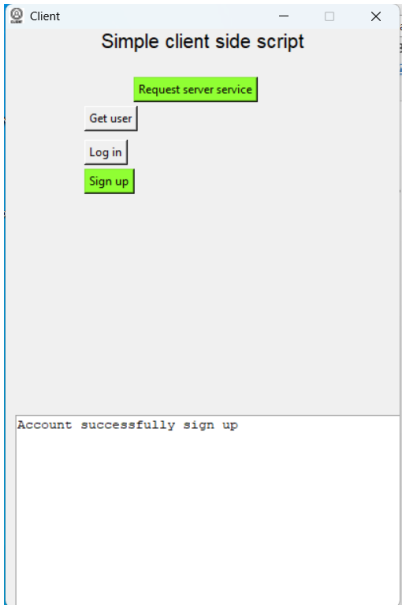


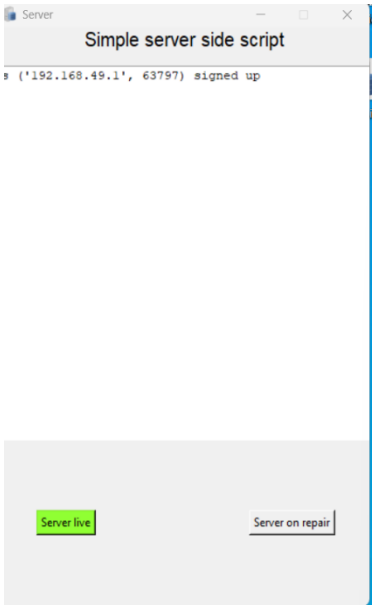


5. The third service of the client app is to create a new account click Sign up button.

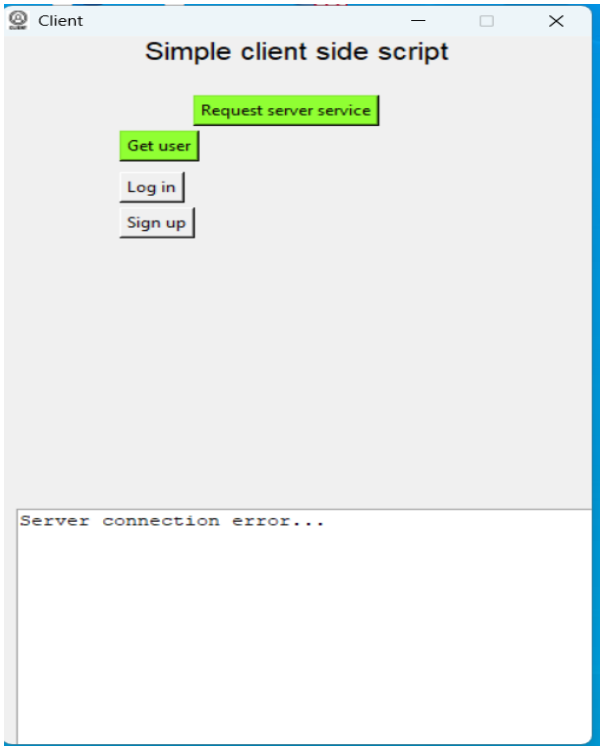
Client-side app Server-side app

- When the signup button is clicked this page will appear if everything is clear.





❖ Finally, if the server is down or not started and the client app tries to access any service this error message will pop up.


Client
Simple client side script
Request server service
Get user
Log in
Sign up
Server connection error...