



USER MANUAL

Multiple Sclerosis Server Application

Telemedicine Final Project – December 2024

Made by: Maite Gómez del Río, Natalia García, Laura Gallego,
Noelia Aubá, and Andrea Martínez

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1. General Information

1.1 Application overview

The application, Multiple Sclerosis Server, is designed to monitor the access to the application made by the patients or doctors and stop the server in case no one is using it. There is just access to one administrator, already created that is the one that will control the application.

2. Application features

2.1 Home Screen

Upon launching the application of the server, the home screen will appear providing a unique option for the administrator: Log In.

The administrator can log in by entering their registered username and password, and clicking “Submit”.

There is only one administrator account, with the following data:

- Username: administrator@multipleSclerosis.com
- Password: Password123

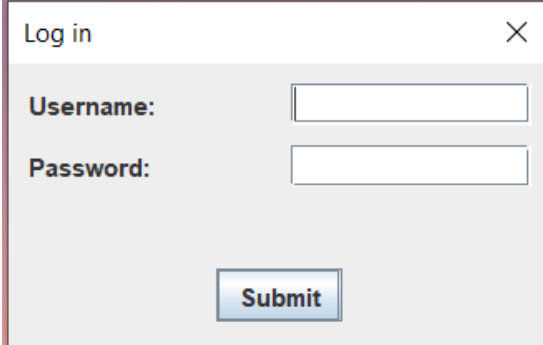
A dialog box titled "Log in" with a close button (X) in the top right corner. It contains two input fields: "Username:" and "Password:". Below the input fields is a "Submit" button.

Figure 1. Log in display for Administrator

If the administrator enters incorrect login credentials, an error message is displayed, advising him/her of the number of attempts left to have access to the application.

The administrator has unlimited attempts to log in to avoid being locked out of the system.

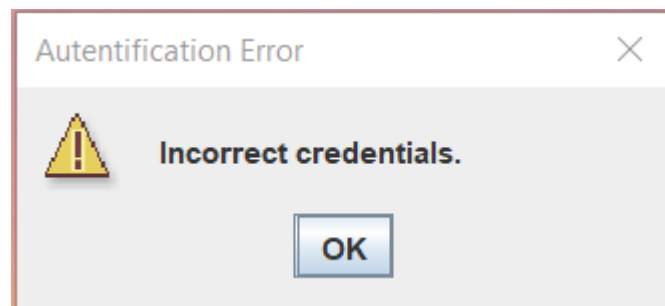


Figure 2. Incorrect Log In Credentials

2.2 Administrator dashboard

The Administrator Menu provides a centralized interface for the different options that the administrator can manage:

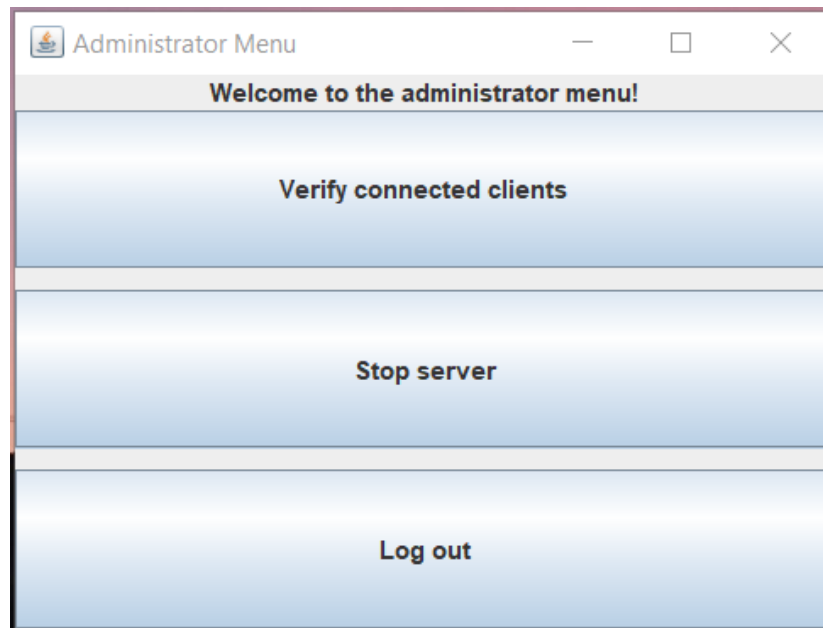


Figure 3. Administrator Menu

2.2.1 Verify connected clients

This option shows to the administrator the number of active client connections, categorized into patient and doctor clients, allowing the administrator to monitor the system's usage in real time.

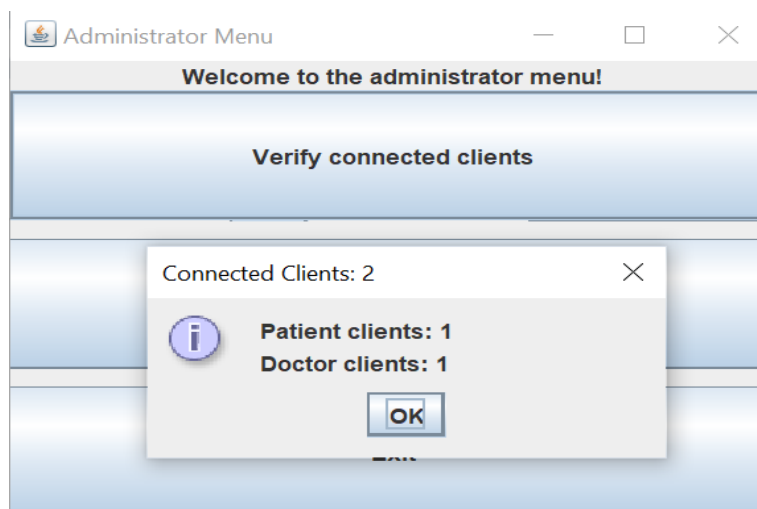


Figure 4. Verify connected clients option

2.2.2 Stop server

Allows the administrator to shut down the server application. To proceed with this action, the system requires the administrator to enter the password "stop" as confirmation. This security measure ensures that the server shutdown is intentional and authorized, preventing accidental or unauthorized server stoppage.

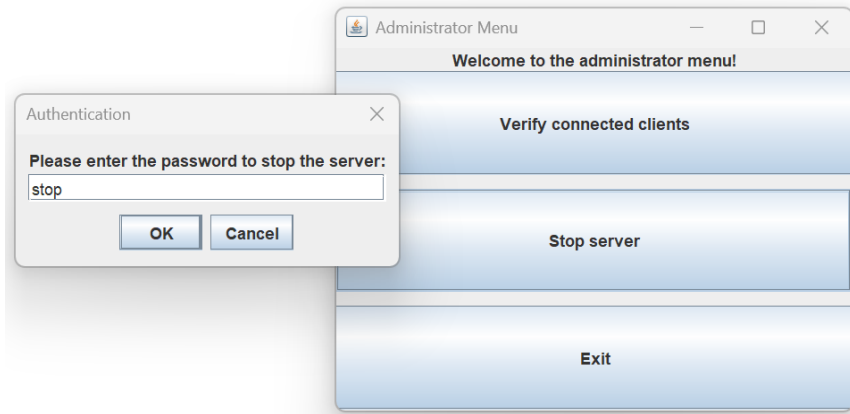


Figure 5. Stop server option

This Stop server option requires a double confirmation process for enhanced security. The system will display a confirmation box to ensure the stoppage. The administrator must select "Yes" to proceed with stopping the server or "No" to cancel the operation.

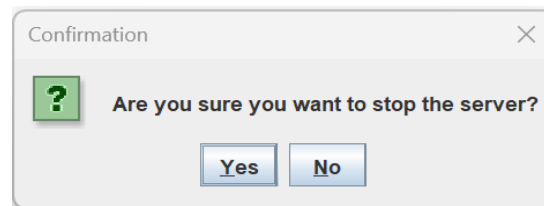


Figure 6. Double confirmation for stop server

If the administrator selects the option to stop the server whenever there are clients currently connected to the server, the system will trigger an error message stating:

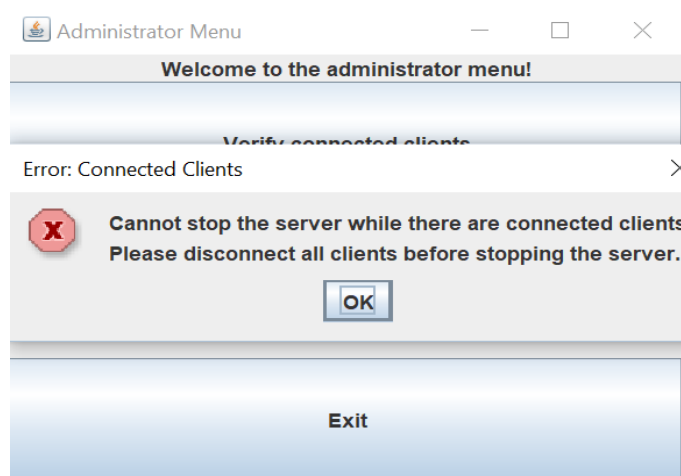


Figure 7. Error while disconnecting the server

This alert ensures that the server is not shut down while there are active connections going on, preventing potential data loss or disruption to connected users. The administrator must verify that there are no active clients before retrying the server shutdown.

2.2.3 Log Out

This last option lets the administrator log out.

After this action is executed the Log In panel will show up again, to avoid being locked out of the system

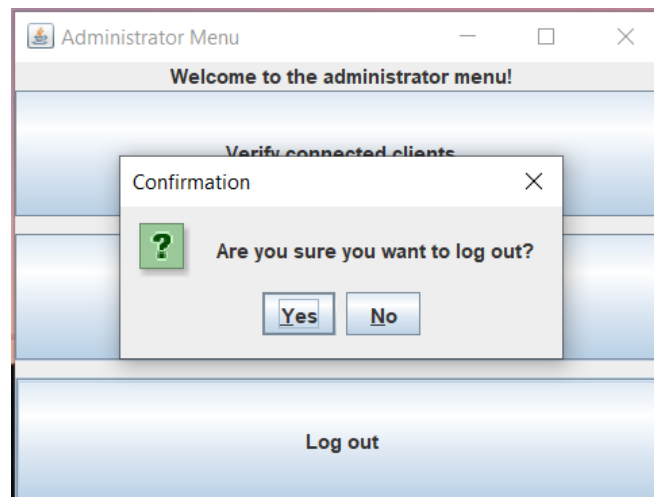


Figure 8. Log Out