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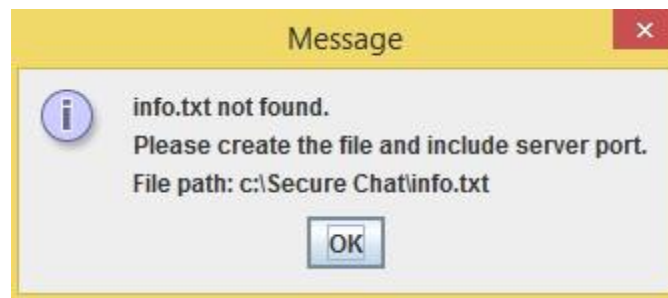
This project consists of two programs: Server(SecureChar_Server.jar) and Client (SecureChat_Client.jar)

Server Instructions:

The server has a database that it uses to store users' credentials (Username and Password) called "SecureChatDB.sqlite" which should be in the same directory where the server (SecureChar_Server.jar) file is located.

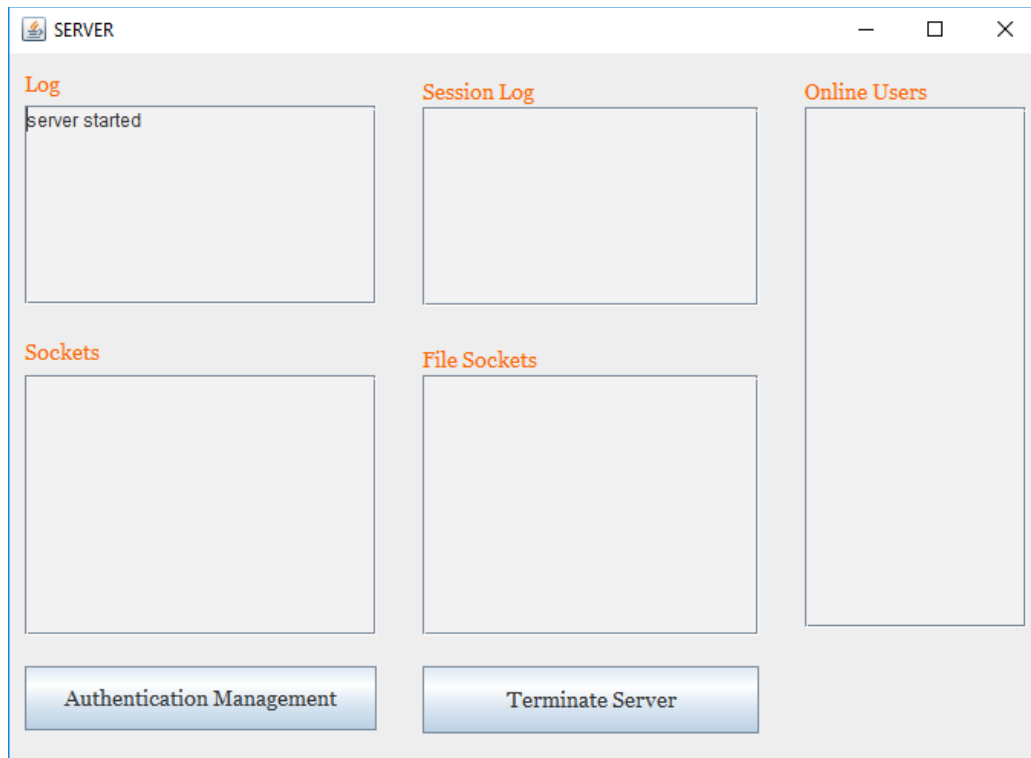
1. Run the SecureChar_Server.jar file and you should get a pop up shown below.

You could also create the file called info.txt in your c:\Secure Chat\ directory beforehand to bypass this step. If you choose not to create this directory, it will be automatically created.



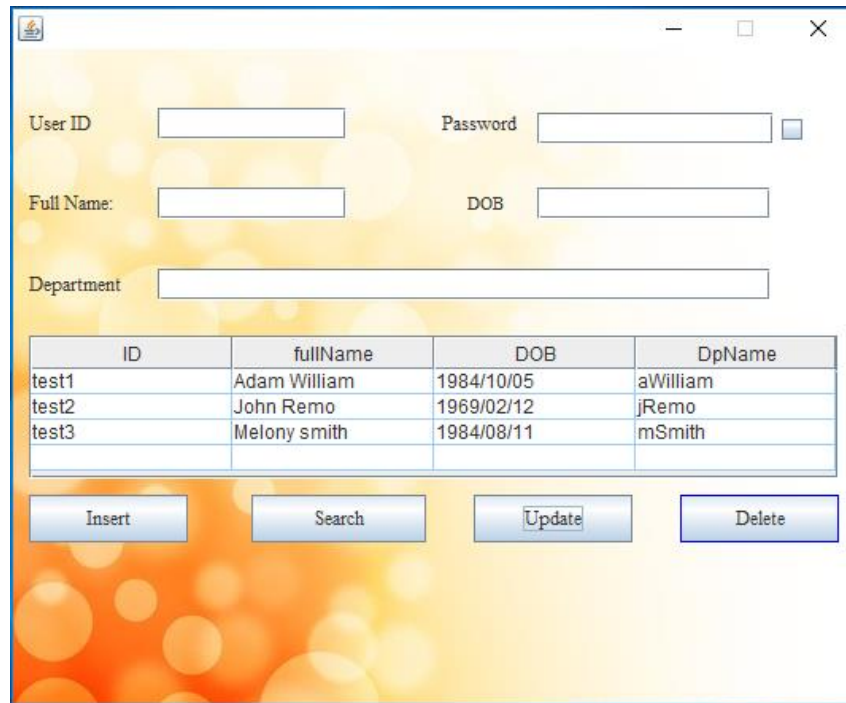
After creating the info.txt file, save the port number you want the server to open for clients' connections in the file "info.txt".

2. Run the SecureChar_Server.jar to open the server UI shown below.



Server Interface

Use the Authentication Management to manage username and passwords and the Terminate Server to close all active connections with clients



The Password Management Interface window contains the following fields and controls:

- User ID:
- Password: ☐
- Full Name:
- DOB:
- Department:

ID	fullName	DOB	DpName
test1	Adam William	1984/10/05	aWilliam
test2	John Remo	1969/02/12	jRemo
test3	Melony smith	1984/08/11	mSmith

Buttons: Insert, Search, Update, Delete

Password Management Interface

Client Instructions:

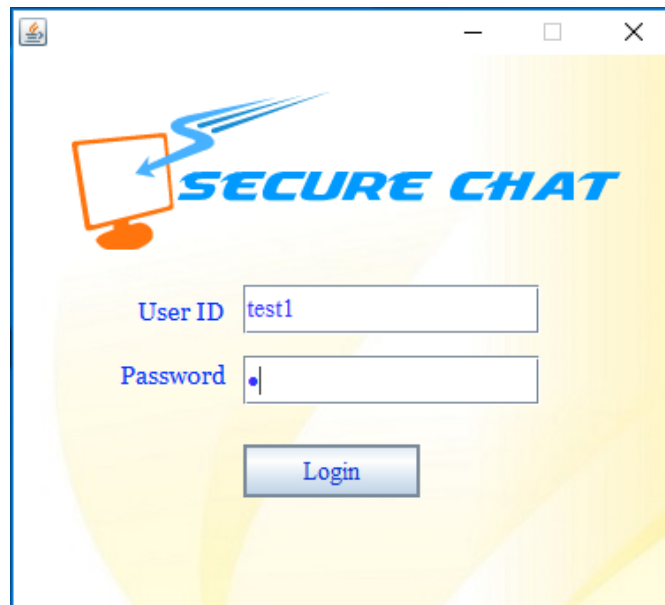
1. Run the client, SecureChat_Client.jar and you should get the pop up below.



You could also create the file called info.txt in your c:\Secure Chat client\ directory beforehand to bypass this step. If you choose not to create this directory, it will be automatically created.

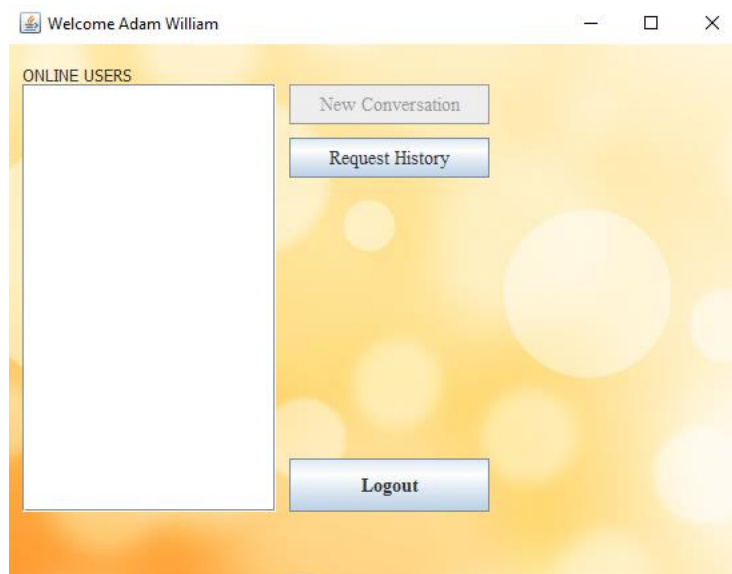
After creating the info.txt file, save the port number on the first line and the IP address of the computer which the server is running on (127.0.0.1 if you intend running both client and server on the same computer) in the info.txt file.

2. Run the client (SecureChat_Client.jar) and the Client Authentication UI should pop up.

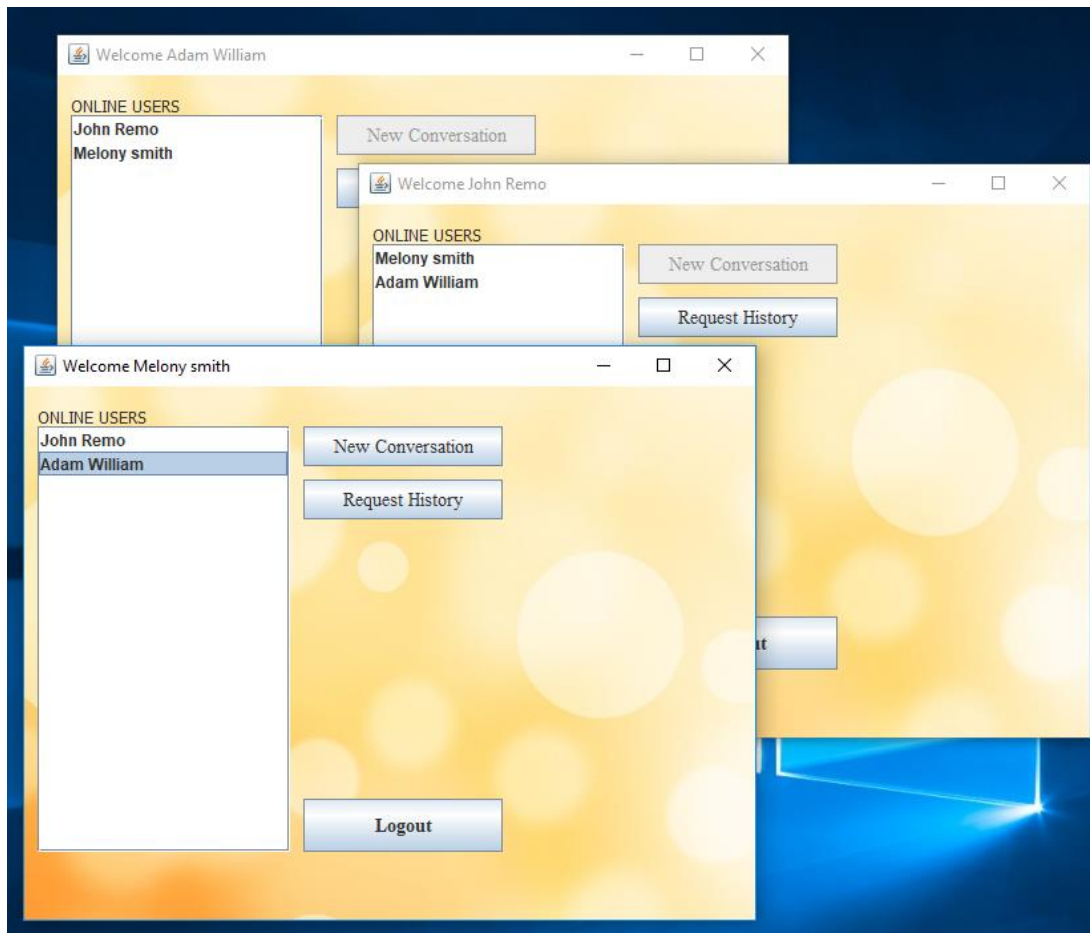


Client Authentication Interface

After a successful authentication, clients will be forwarded to the welcome form below.



When multiple clients are logged on, they become available under “ONLINE USERS”

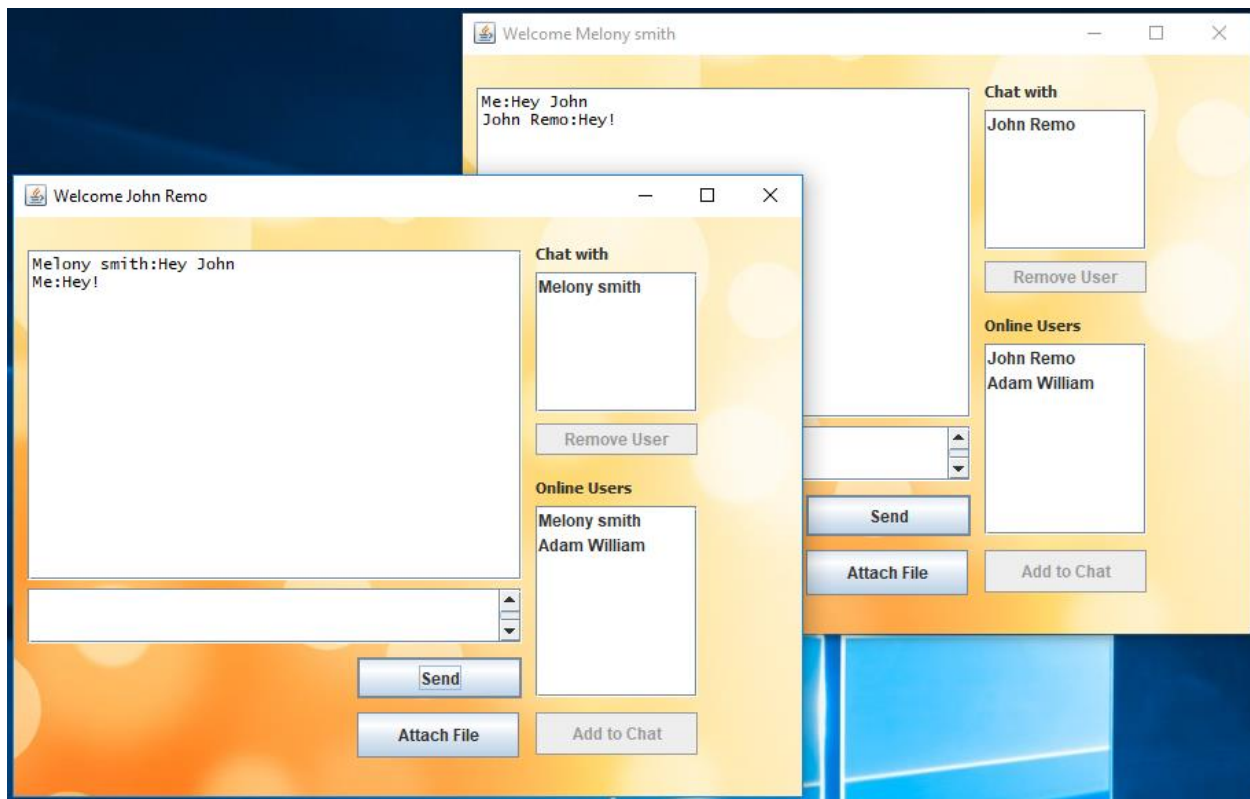


Use

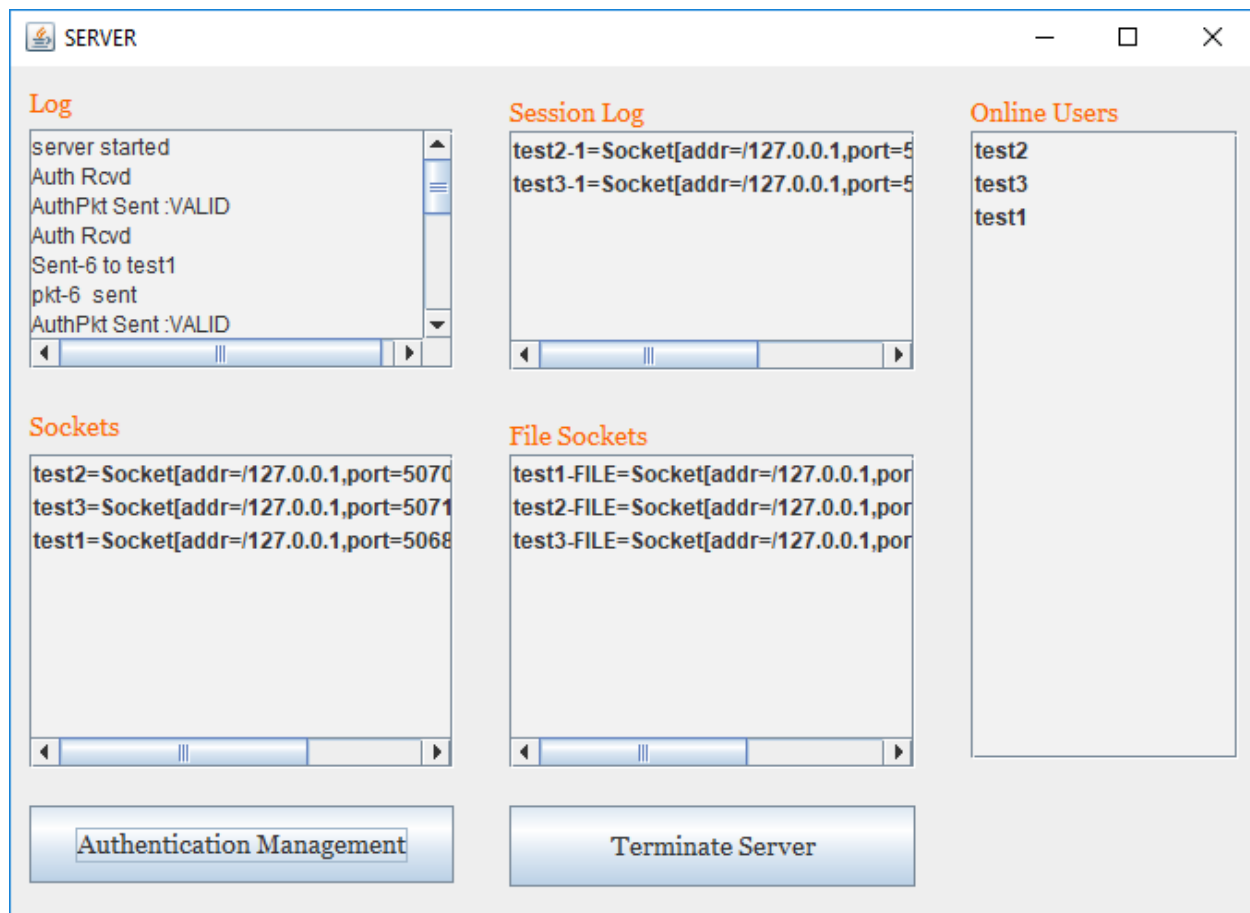
New Conversation: to initiate a new conversation with another user.

Request History: to locally store your conversation log on C:\Secure Chat\ directory

Logout: to log off the chat.



Chat Interface



Server Interface after multiple clients' connection was established