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Assessment Task (AT 3 Project)

Jupiter Mining Corporation

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# Debugging

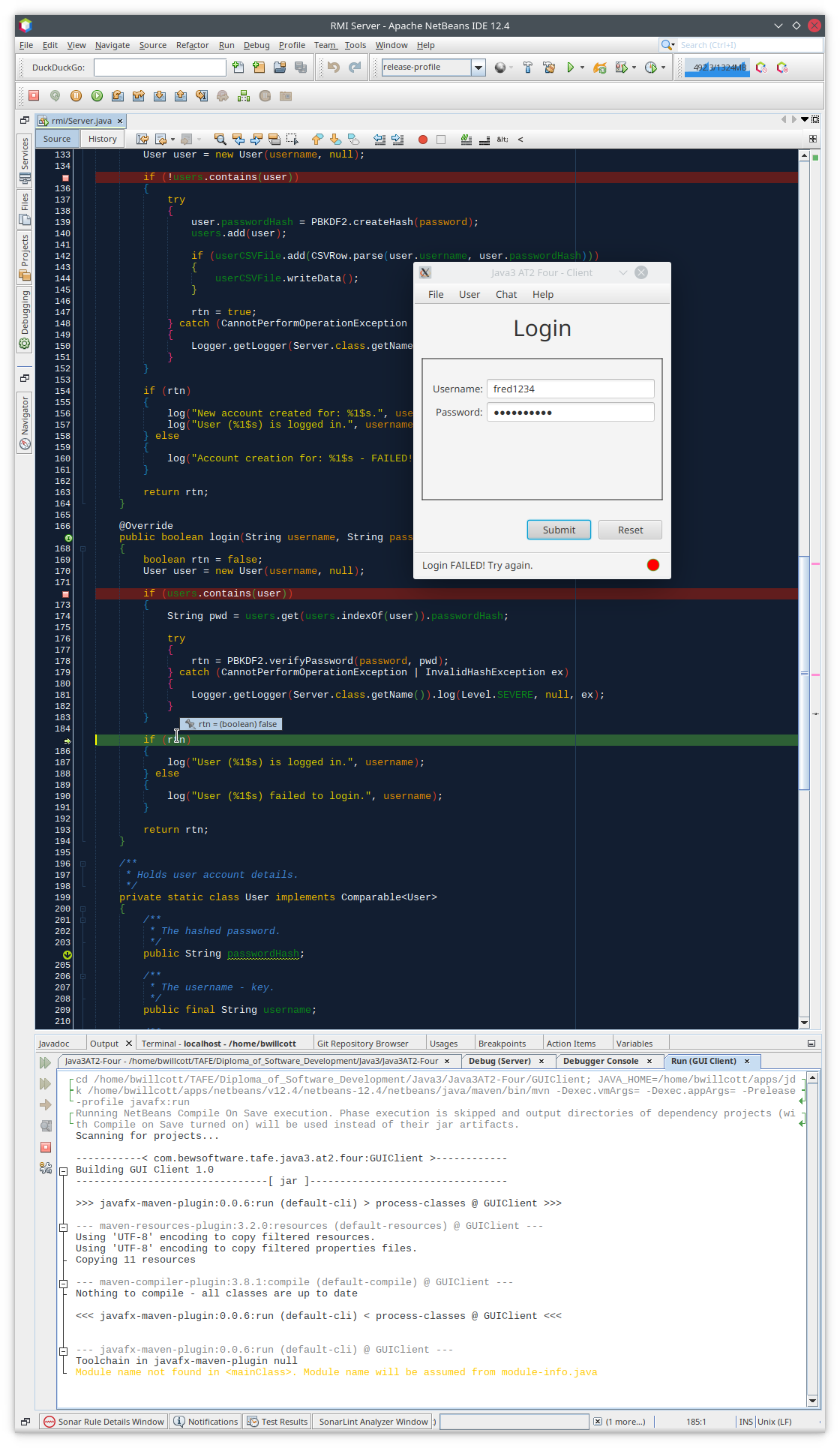


Figure – Showing value of rtn – no account for: “fred1234”

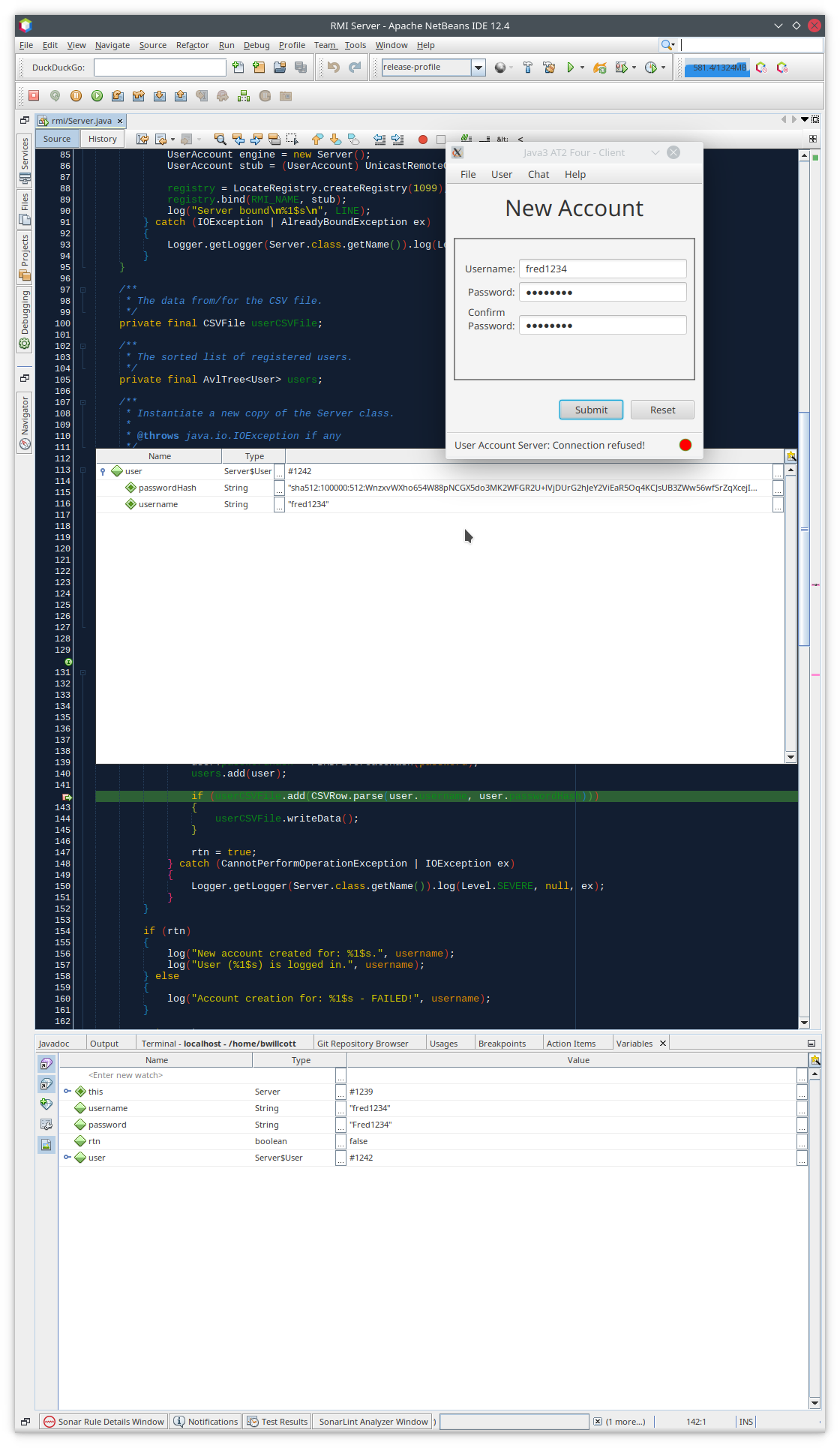


Figure - Newly created User Account details

# Testing

Table 1: Testing results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Case | Description | Expected | Actual | Evidence |
| #1 | Start-up RMI and Socket Servers | Display program output in separate consoles | As expected | Figure 3 |
| #2 | Start-up GUI Client | GUI Application started | As Expected | Figure 4 |
| #3 | Create a New Account | Show successful result – Message and light goes Green | As expected | Figure 5  Figure 6  Figure 7  Figure 8  Figure 9 |
| #4 | Show Logout menu item now enabled | Menu displayed | As expected | Figure 10 |
| #5 | Open Chat session | Menu displayed | As expected | Figure 11 |
| #6 | Have a Chat | Show Chat view with typed in text and responses from the Chat Server | As expected | Figure 12  Figure 13  Figure 14  Figure 15  Figure 16 |
| #7 | Close Chat session | Chat view gone | As Expected | Figure 17  Figure 18 |
| #8 | Logout | Light goes Red | As Expected | Figure 19  Figure 20 |
| #9 | Display About Dialog | Dialog displayed | As Expected | Figure 21  Figure 22 |
| #10 | Display the Help Window | Window displayed | As expected | Figure 23  Figure 24 |
| #11 | Test Login with wrong password | Error message | As Expected | Figure 25  Figure 26 |
| #12 | Show validation of new Username & Password | Show various screens as both the Username and Password are both progressed from invalid to valid | As Expected | Figure 27  Figure 28  Figure 29  Figure 30  Figure 31  Figure 32  Figure 33  Figure 34  Figure 35  Figure 36 |
| #13 | Test GUI Application with both servers down | Error message | As Expected | Figure 37  Figure 38  Figure 39  Figure 40 |
| #14 | Restart RMI Server and retry Login | Show Login success message | As Expected | Figure 41  Figure 42 |
| #15 | Try to open Chat session | Error message | As Expected | Figure 43 |
| #16 | Restart Socket Server and reopen Chat session | Chat session connected | As Expected | Figure 44  Figure 45 |
| #17 | Logout with Chat session open | [Send] button disabled and light gone Red | As Expected | Figure 46  Figure 47 |
| #18 | Final look at server consoles with log entries | Show console | As Expected | Figure 46 |
| #18 | Close the application | Done | As Expected | Figure 47 |

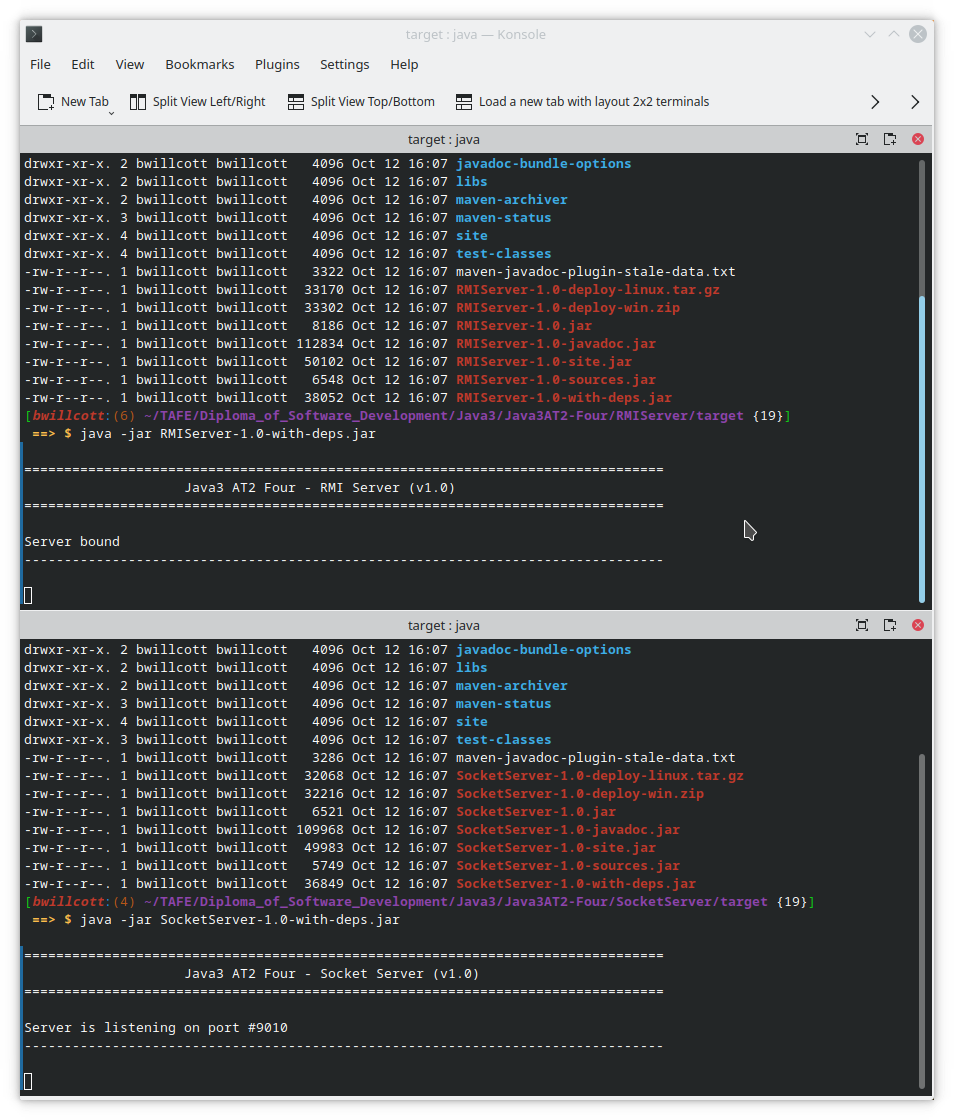


Figure - Startup RMI and Socket Servers

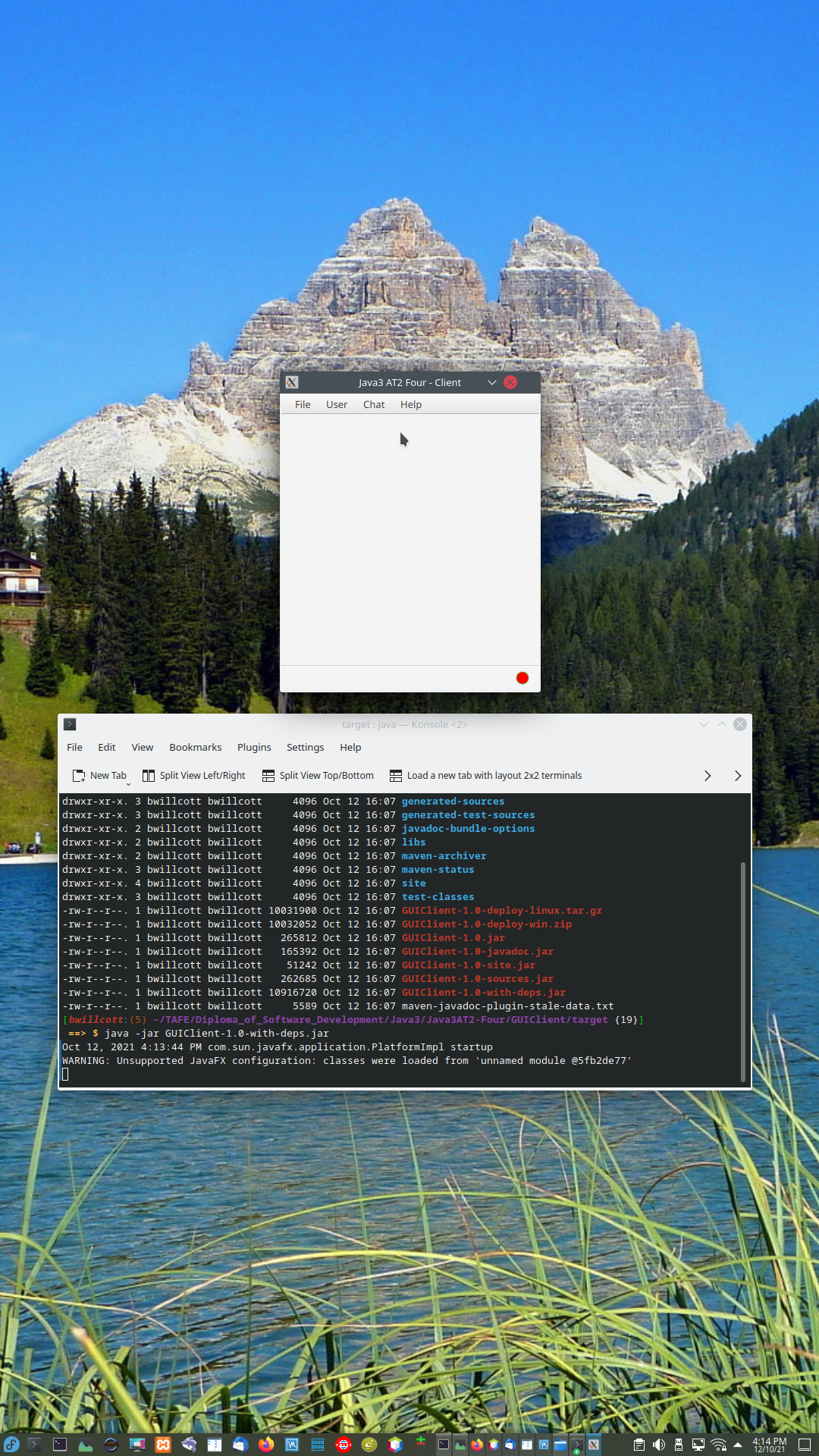


Figure – Startup GUI Client

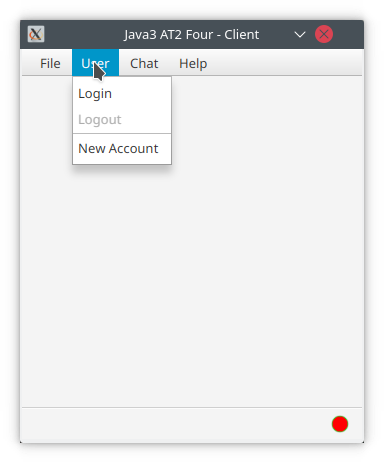


Figure 5 – Create a New Account - A

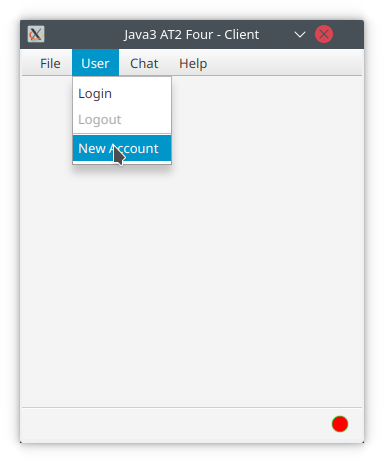


Figure 6 - Create a New Account - B

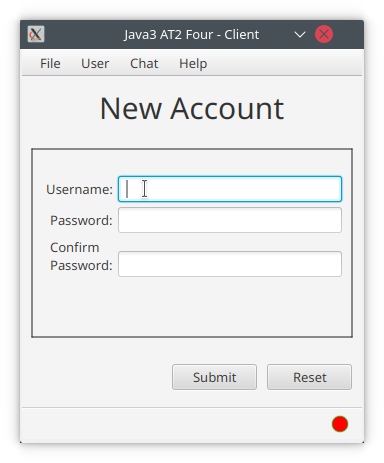


Figure 7 - Create a New Account - C

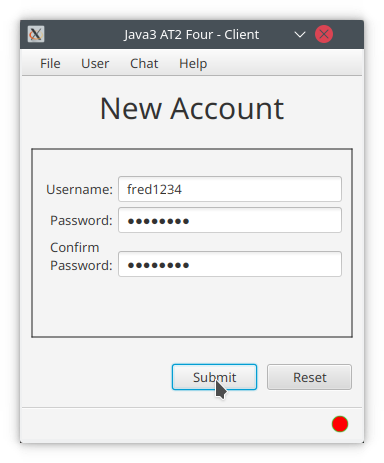


Figure 8 - Create a New Account - D

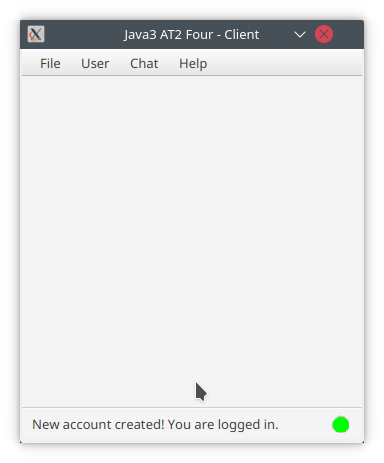


Figure 9 - Create a New Account - E

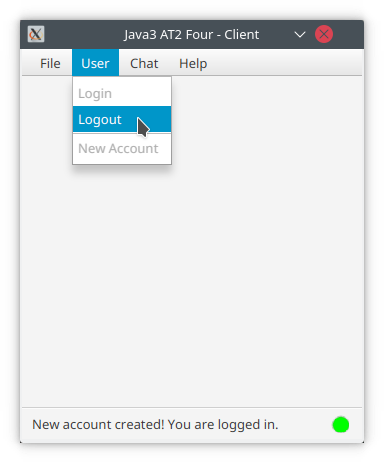


Figure 10 - Show User/Logout now enabled - A

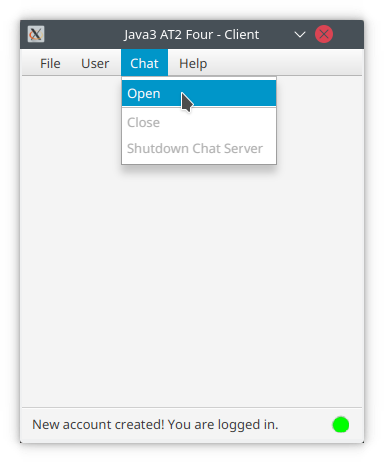


Figure 11 – Open Chat session

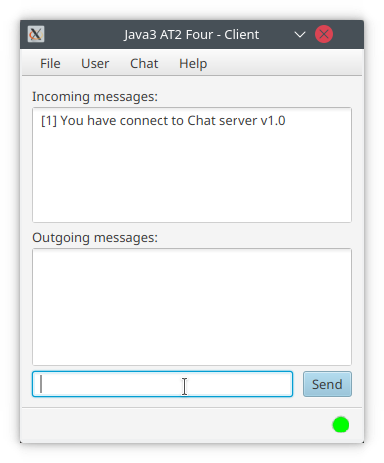


Figure 12 – Have a Chat - A

Graphical user interface, text, application

Description automatically generated

Figure – Have a Chat - B

Graphical user interface, text, application

Description automatically generated

Figure – Have a Chat - C

Graphical user interface, text, application

Description automatically generated

Figure – Have a Chat - D

Graphical user interface, text, application, chat or text message

Description automatically generated

Figure – Have a Chat - E

Graphical user interface, text, application, chat or text message

Description automatically generated

Figure - Close session - A

Graphical user interface, application, Word

Description automatically generated

Figure - Close session - B

Graphical user interface, application, Word

Description automatically generated

Figure - Logout - A

Graphical user interface, application, Word

Description automatically generated

Figure - Logout - B

Graphical user interface, text, application

Description automatically generated

Figure - Show Help/About - A

Graphical user interface, text, application

Description automatically generated

Figure - Show Help/About – B

Graphical user interface, text, application

Description automatically generated

Figure - Help/Manual - A

Graphical user interface, text, application

Description automatically generated

Figure - Help/Manual - B

Graphical user interface, text, application

Description automatically generated

Figure - Login with wrong password - A

Graphical user interface, application

Description automatically generated

Figure - Login with wrong password - B

Graphical user interface, text, application

Description automatically generated

Figure - Show validation of new Username & Password - a

Graphical user interface, application

Description automatically generated

Figure - Show validation of new Username & Password - B

Graphical user interface, application

Description automatically generated

Figure - Show validation of new Username & Password - C

Graphical user interface, application

Description automatically generated

Figure - Show validation of new Username & Password - D

Graphical user interface, application

Description automatically generated

Figure - Show validation of new Username & Password - E

Graphical user interface, application

Description automatically generated

Figure - Show validation of new Username & Password - F

Graphical user interface, application

Description automatically generated

Figure - Show validation of new Username & Password - G

Graphical user interface, text, application

Description automatically generated

Figure - Show validation of new Username & Password - H

Graphical user interface, application

Description automatically generated

Figure - Show validation of new Username & Password - I

Graphical user interface, application, Word

Description automatically generated

Figure - Show validation of new Username & Password - J

Graphical user interface, application, Word

Description automatically generated

Figure - Logout

Text

Description automatically generated

Figure - Show servers running with last sessions logs

Text

Description automatically generated

Figure - Show both servers shutdown

Graphical user interface, application

Description automatically generated

Figure - Trying to Login – Connection refused

Text

Description automatically generated

Figure - RMI Server (Login Server) restarted

Graphical user interface, application, Word

Description automatically generated

Figure - Login now successful

Graphical user interface, application

Description automatically generated

Figure - Try to open Chat session - Connection refused

Text

Description automatically generated

Figure - Socket Server (Chat Server) restarted

Graphical user interface, text, application

Description automatically generated

Figure - Chat session connected

Graphical user interface, text, application, chat or text message

Description automatically generated

Figure - Logout with Chat session open - A

Graphical user interface, text, application

Description automatically generated

Figure - Logout with Chat session open - B

Text

Description automatically generated

Figure - Final look at server consoles with log entries

Graphical user interface, text, application, chat or text message

Description automatically generated

Figure - Close application

# References