**Applied Distributed System**

**Java TCP Networking with Cryptography**

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**Application testing Screenshots:**

* TCP Server running:

Graphical user interface, text, application, email

Description automatically generated

TCP server started running

* Client 1:

Graphical user interface, text, application

Description automatically generated

Client 1 started running the application and asked to enter username.

Graphical user interface, text, application, email

Description automatically generated

Invalid username entered and error message return

Graphical user interface, text, application, email

Description automatically generated

Invalid password entered and error message return

Text

Description automatically generated

Successful login and asked for operation to perform

Text

Description automatically generated

Fibonacci operation performed

Text, table, letter

Description automatically generated

Factorial operation successfully performed

Text, letter

Description automatically generated

GCD operation performed successfully

Graphical user interface, text

Description automatically generated

TCP server sides entries successfully performed

* Client 2:

Client 2 is also running consequently on the other side.

Graphical user interface, text, application, email

Description automatically generated

Successfully entered the details and performed factorial operation

A picture containing text

Description automatically generated

Successfully exit from the operation and asking for the new user to login