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**ChatApp**

A Chat App made in Java for Network Technologies module of H.Dip in Soft. Dev. that allows communication between a Server and Client.

# Description:

* **ChatClient:** Allows messages to be received
* **ChatFrame**: Creates the chat boxes for ChatClient and ChatServer with text box, chat window, and send button.
* **ChatServer**: Allows messages to be received
* **ClientSetup**: Sets up the Client
* **ServerSetup**: Sets up the Server
* **User**: Sends and receives messages

**How to run?**

Open two different terminals/command-prompt windows and then from project directory:

1. cd bin (On both windows)
2. java ChatServer (On one window)
3. java ChatClient (On another window)
4. /q to quit application (On either window)

You can now type messages to and from the Client and Server and press "Send" to send the message.

**Notes:**

* Server should be started before running the Client.
* Since it is a **TCP** type connection, communication will happen only when both Server and Client are up and running and a connection is established between them.
* The Server also tells the activity status of the client i.e. when the Client is running and connection is established, the Server ChatFrame displays "Active Now" under the "Client" heading.
* On closing the Client, the "Active Now" text goes away and the chat clears out. Now the Server is waiting for a new Client.
* On closing the Server, the Client closes automatically.

# **References**:

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* <https://www.codejava.net/java-se/networking/how-to-create-a-chat-console-application-in-java-using-socket>
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