

Computer Networks

Project : 3

Readme File...

- With the use of sockets, two users may converse and share files using this Python chat software. A user can enter their username and port number into the software.
- Create a socket, wait for incoming connections, and accept files or messages from the other user using the write() method.
- The read() method establishes a reference to the socket of the other user, transmits files or messages to that user, and receives messages from that user.
- When a person enters "transfer" in the conversation, a specific protocol sends the file to the other user. The recipient stores the file in the current directory under "recv_".
- The user must execute the script and follow the instructions to provide the username, port number, IP address, and port number of the other user in order to utilize the software.

```
Enter username: [redacted]
Enter port number: 4788
Enter the user and their port number to be connected (separated by commas): Sourabh,4678
connected to Sourabh at 4678

Hi
[redacted]
```

```
Enter username: [redacted]
Enter port number: 4678
Enter the user and their port number to be connected (separated by commas): Dinesh,4788
connected to Dinesh at 4788

Hi
Computer networks. [redacted]
```

```
Enter username: [redacted]
Enter port number: 4788
Enter the user and their port number to be connected (separated by commas): Sourabh,4678
connected to Sourabh at 4678

Hi
Computer networks.
[redacted]
```

```
Enter username: [redacted]
Enter port number: 4678
Enter the user and their port number to be connected (separated by commas): Dinesh,4788
connected to Dinesh at 4788

Hi
Computer networks.
[redacted]
```