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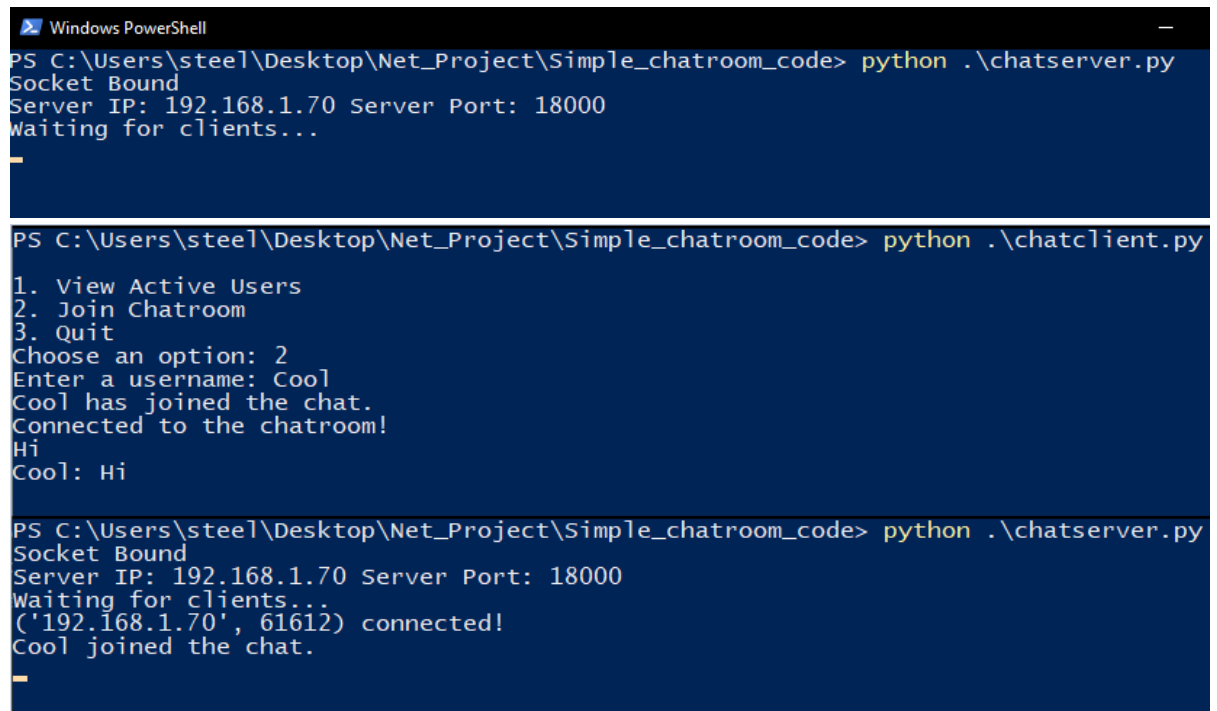
CS 436

11/6/2024

Chatroom Project

Test Step Photos:

1)

2)

```
PS C:\Users\steel\Desktop\Net_Project\Simple_chatroom_code> python .\chatserver.py
Socket Bound
Server IP: 192.168.1.70 Server Port: 18000
Waiting for clients...
('192.168.1.70', 61774) connected!
Cool joined the chat.
('192.168.1.70', 61784) connected!
Fun joined the chat.

PS C:\Users\steel\Desktop\Net_Project\Simple_chatroom_code> python .\chatclient.py

1. View Active Users
2. Join Chatroom
3. Quit
Choose an option: 2
Enter a username: Cool
Cool has joined the chat.
Connected to the chatroom!
Hi
Cool: Hi
Fun has joined the chat.
Fun: Hi Cool, are you there?
Hey Fun, glad that you joined. We can chat now.
Cool: Hey Fun, glad that you joined. We can chat now.
Fun: Let's wait for Fire. He wanted to join.
Ok
Cool: Ok
```

```
Windows PowerShell                                                    —    □    ✕

PS C:\Users\steel\Desktop\Net_Project\Simple_chatroom_code> python .\chatclient.py

1. View Active Users
2. Join Chatroom
3. Quit
Choose an option: 2
Enter a username: Fun
Fun has joined the chat.
Connected to the chatroom!
------Beginning of History--------
Cool has joined the chat.
Cool: Hi
----------End of History----------

Hi Cool, are you there?
Fun: Hi Cool, are you there?
Cool: Hey Fun, glad that you joined. We can chat now.
Let's wait for Fire. He wanted to join.
Fun: Let's wait for Fire. He wanted to join.
Cool: Ok
```

3)

```
Waiting for clients...
('192.168.1.70', 61774) connected!
Cool joined the chat.
('192.168.1.70', 61784) connected!
Fun joined the chat.
('192.168.1.70', 61874) connected!
('192.168.1.70', 61887) connected!
Fire joined the chat.
```

Windows PowerShell   — ☐ ✕

```
PS C:\Users\steel\Desktop\Net_Project\Simple_chatroom_code> python .\chatclient.py

1. View Active Users
2. Join Chatroom
3. Quit
Choose an option: 2
Enter a username: Fun
Username already in use. Please try another.

1. View Active Users
2. Join Chatroom
3. Quit
Choose an option: 2
Enter a username: Fire
Fire has joined the chat.
Connected to the chatroom!
------Beginning of History--------
Cool has joined the chat.
Cool: Hi
Fun has joined the chat.
Fun: Hi Cool, are you there?
Cool: Hey Fun, glad that you joined. We can chat now.
Fun: Let's wait for Fire. He wanted to join.
Cool: Ok
----------End of History----------
```

4)

```
PS C:\Users\steel\Desktop\Net_Project\Simple_chatroom_code> python .\chatserver.py
Socket Bound
Server IP: 192.168.1.70 Server Port: 18000
Waiting for clients...
('192.168.1.70', 61774) connected!
Cool joined the chat.
('192.168.1.70', 61784) connected!
Fun joined the chat.
('192.168.1.70', 61874) connected!
('192.168.1.70', 61887) connected!
Fire joined the chat.
('192.168.1.70', 61947) connected!
('192.168.1.70', 61954) connected!
('192.168.1.70', 61967) connected!
```

```
PS C:\Users\steel\Desktop\Net_Project\Simple_chatroom_code> python .\chatclient.py

1. View Active Users
2. Join Chatroom
3. Quit
Choose an option: 2
Enter a username: Sad
Chatroom is full. Please try again later.

1. View Active Users
2. Join Chatroom
3. Quit
Choose an option: 1
Active users:
Username: Cool IP and Port: ('192.168.1.70', 61774)
Username: Fun IP and Port: ('192.168.1.70', 61784)
Username: Fire IP and Port: ('192.168.1.70', 61887)


1. View Active Users
2. Join Chatroom
3. Quit
Choose an option: 3
Exiting the program.
PS C:\Users\steel\Desktop\Net_Project\Simple_chatroom_code>
```

5)

```
PS C:\Users\steel\Desktop\Net_Project\Simple_chatroom_code> python .\chatserver.py
Socket Bound
Server IP: 192.168.1.70 Server Port: 18000
Waiting for clients...
('192.168.1.70', 61774) connected!
Cool joined the chat.
('192.168.1.70', 61784) connected!
Fun joined the chat.
('192.168.1.70', 61874) connected!
('192.168.1.70', 61887) connected!
Fire joined the chat.
('192.168.1.70', 61947) connected!
('192.168.1.70', 61954) connected!
('192.168.1.70', 61967) connected!
Receiving file coolfile1.txt and saving to downloads\coolfile1.txt
Cool: OK
Fire has joined the chat.
Fire: Hey guys! I just joined.
What's up Fire?
Cool: What's up Fire?
Fun: Hey Fire.
Fire: Guys, I want to attach a cool file!
Fire: I am on a light diet: I eat in daylight, I eat in moonlight, and sometimes, I
eat in refrigerator light!
```

```
Windows PowerShell                                                    —    □    ×

Hi Cool, are you there?
Fun: Hi Cool, are you there?
Cool: Hey Fun, glad that you joined. We can chat now.
Let's wait for Fire. He wanted to join.
Fun: Let's wait for Fire. He wanted to join.
Cool: Ok
Fire has joined the chat.
Fire: Hey guys! I just joined.
Cool: What's up Fire?
Hey Fire.
Fun: Hey Fire.
Fire: Guys, I want to attach a cool file!
Fire: I am on a light diet: I eat in daylight, I eat in moonlight, and sometimes, I
eat in refrigerator light!
```

```
Windows PowerShell                                                    —    □    ×

Hey guys! I just joined.
Fire: Hey guys! I just joined.
Cool: What's up Fire?
Fun: Hey Fire.
Guys, I want to attach a cool file!
Fire: Guys, I want to attach a cool file!
a
Please enter the file path and name: attachments/coolfile1.txt
File attachments/coolfile1.txt sent to the server.
Fire: I am on a light diet: I eat in daylight, I eat in moonlight, and sometimes, I
eat in refrigerator light!
```

6)

Net_Project > Simple_chatroom_code > downloads		∨ ⟳	Search downl
Name ^	Date modified	Type	Size
📄 coolfile1.txt	11/6/2024 9:25 PM	Text Document	1 KB

```
Fire has disconnected.
```

```
Fire has joined the chat.
Fire: Hey guys! I just joined.
What's up Fire?
Cool: What's up Fire?
Fun: Hey Fire.
Fire: Guys, I want to attach a cool file!
Fire: I am on a light diet: I eat in daylight, I eat in moonlight, and sometimes, I
eat in refrigerator light!
Fun: Hahaha
That was cool! :)
Cool: That was cool! :)
Fire: Alright guys. I should leave now. Bye!
Fire has left the chat.
```

> Windows PowerShell   — □ ✕
```
Fun: Let's wait for Fire. He wanted to join.
Cool: Ok
Fire has joined the chat.
Fire: Hey guys! I just joined.
Cool: What's up Fire?
Hey Fire.
Fun: Hey Fire.
Fire: Guys, I want to attach a cool file!
Fire: I am on a light diet: I eat in daylight, I eat in moonlight, and sometimes, I
eat in refrigerator light!
Hahaha
Fun: Hahaha
Cool: That was cool! :)
Fire: Alright guys. I should leave now. Bye!
Fire has left the chat.
```

> Windows PowerShell   — □ ✕
```
a
Please enter the file path and name: attachments/coolfile1.txt
File attachments/coolfile1.txt sent to the server.
Fire: I am on a light diet: I eat in daylight, I eat in moonlight, and sometimes, I
eat in refrigerator light!
Fun: Hahaha
Cool: That was cool! :)
Alright guys. I should leave now. Bye!
Fire: Alright guys. I should leave now. Bye!
q
Exiting chatroom...
Fire has left the chat.
PS C:\Users\steel\Desktop\Net_Project\Simple_chatroom_code>
```

7)

```
Windows PowerShell                                          —    □    X
Cool: What's up Fire?
Fun: Hey Fire.
Fire: Guys, I want to attach a cool file!
Fire: I am on a light diet: I eat in daylight, I eat in moonlight, and sometimes, I
eat in refrigerator light!
Fun: Hahaha
That was cool! :)
Cool: That was cool! :)
Fire: Alright guys. I should leave now. Bye!
Fire has left the chat.
Bye Fire!
Cool: Bye Fire!
Fire has joined the chat.
```

```
Windows PowerShell                                          —    □    X
1. View Active Users
2. Join Chatroom
3. Quit
Choose an option: 2
Enter a username: Fire
Fire has joined the chat.
Connected to the chatroom!
------Beginning of History--------
Cool has joined the chat.
Cool: Hi
Fun has joined the chat.
Fun: Hi Cool, are you there?
Cool: Hey Fun, glad that you joined. We can chat now.
Fun: Let's wait for Fire. He wanted to join.
Cool: Ok
Fire has joined the chat.
Fire: Hey guys! I just joined.
Cool: What's up Fire?
Fun: Hey Fire.
Fire: Guys, I want to attach a cool file!
Fire: I am on a light diet: I eat in daylight, I eat in moonlight, and sometimes, I
eat in refrigerator light!
Fun: Hahaha
Cool: That was cool! :)
Fire: Alright guys. I should leave now. Bye!
Fire has left the chat.
Cool: Bye Fire!
----------End of History----------
```

8)