Mert Gönül Semih Özsoy CMP2204 Term Project

Peer to Peer Chat

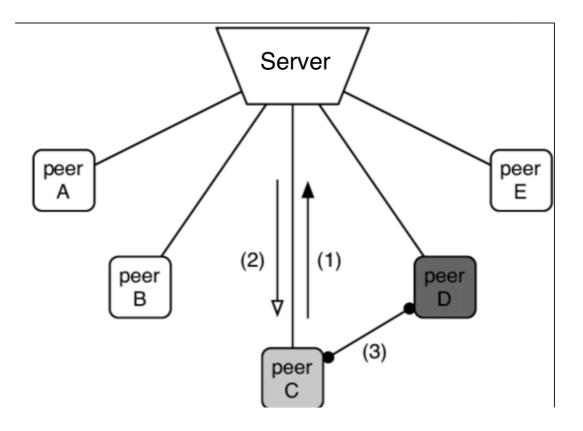
Server.py

The server stands in the middle, creating an "Online user" list by collecting "username" and "IP" information for clients. There is only **one mission** of server; **create online user list and deliver it!**

This process is carried out via UDP with 5000 port.

Customers also transmit their "username" and "IP" information to the **server** via UDP 5000 port.

Heres activity list of connected users to the server.



- 1 'Im here and add me to online user list' request
- 2 'I added you into 'user list' response
- 3- P2P communication between peers by TCP (client.py)

Client.py

The client.py file displays the list of 'online users' that it receives from the server and enables communication with other people in this list.

The protocol between server and client is UDP.

The protocol between "client" and "client" is TCP.

The server can never access the message between two people because the messages are exchanged between two people.

```
def wait ForPeer(udpConnection, clientUsername):

tcpConnection.bind(('localhost', 5002))

tepConnection.bind(('localhost', 5002))

tepConnection.bind(('localho
```

Example conversation between two peer.