COMP 7005
Assignment 2

Testing

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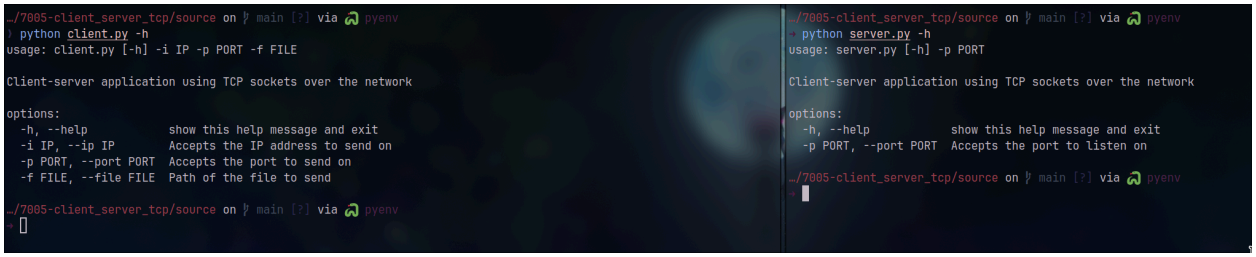
Oct, 4 2024

Test	Expected	Actual	Screenshot
-h	pass	pass	Test 1
Test from localhost to server	pass	pass	Test 2
Test from client on laptop to server on desktop	pass	pass	Test 3
Test sending file with .sh extension	pass	pass	Test 4
Test when sending files from 2 different machines to server	pass	pass	Test 5
Test when sending an empty file	pass	pass	Test 6
Test when sending a file full of special characters	fail	pass	Test 7
Test when server is on but client sends to the wrong port	fail	fail	Test 8
Test when server is off but client sends	fail	fail	Test 9
Test without sending a file or specifying a port or ip	fail	fail	Test 10

Test 1



Test 2

```
…/7005-client_server_tcp/source on main [?] via pyenv
→ python client.py -i 127.0.0.1 -p 6000 -f test1.txt
Socket created and connected to 127.0.0.1:6000
Sending file path: test1.txt
Sending file content of: test1.txt
File sent successfully.
Number of alphabetic letters: 255
```

```
…/7005-client_server_tcp/source on main [?] via pyenv
❯ python server.py -p 6000
Server listening on port 6000
Server is listening on ('127.0.0.1', 44104)
Received file request: test1.txt
```

Test 3

```
…/7005-client_server_tcp/source on main [?] via pyenv took 7m7s
→ python client.py -i 192.168.50.98 -p 5000 -f test2.txt
Socket created and connected to 192.168.50.98:5000
Sending file path: test2.txt
Sending file content of: test2.txt
File sent successfully.
Number of alphabetic letters: 493
```

```
…/7005-client_server_tcp/source on main [?] via pyenv
❯ python server.py -p 5000
Server listening on port 5000
Server is listening on ('192.168.50.185', 48896)
Received file request: test2.txt
^C
Shutting down and closing the connection
```

Test 4

```
towelie in Cyclonus in …/7005-client_server_tcp/source on main [?] via pyenv
→ python client.py -i 192.168.50.185 -p 5000 -f test5.sh
Socket created and connected to 192.168.50.185:5000
Sending file path: test5.sh
Sending file content of: test5.sh
File sent successfully.
Number of alphabetic letters: 14
```

```
…/7005-client_server_tcp/source on main [?] via pyenv
❯ python server.py -p 5000
Server listening on port 5000
Server is listening on ('192.168.50.98', 43328)
Received file request: test5.sh
```

Test 5

```
towelie in Cyclonus in …/7005-client_server_tcp/source on main [?] via pyenv
→ python client.py -i 192.168.50.185 -p 5000 -f test7
Socket created and connected to 192.168.50.185:5000
Sending file path: test7
Sending file content of: test7
File sent successfully.
Number of alphabetic letters: 42

towelie in Cyclonus in …/7005-client_server_tcp/source on main [?] via pyenv
→
```

```
pi@Soundwave:~/Downloads $ ls
client.py  portainer.svg  services.yaml  test3.txt  test4.txt
pi@Soundwave:~/Downloads $ python client.py -i 192.168.50.185 -p 5000 -f test4.txt
Socket created and connected to 192.168.50.185:5000
Sending file path: test4.txt
Sending file content of: test4.txt
File sent successfully.
Number of alphabetic letters: 0
pi@Soundwave:~/Downloads $
```

```
…/7005-client_server_tcp/source on main [?] via pyenv
❯ python server.py -p 5000
Server listening on port 5000
Server is listening on ('192.168.50.98', 43328)
Received file request: test5.sh
Server is listening on ('192.168.50.180', 56532)
Received file request: test4.txt
Server is listening on ('192.168.50.98', 56864)
Received file request: test7
```

Test 6

```
towelie in Cyclonus in …/7005-client_server_tcp/source on main [?] via pyenv
❯ python client.py -i 192.168.50.185 -p 6000 -f test4.txt
Socket created and connected to 192.168.50.185:6000
Sending file path: test4.txt
Sending file content of: test4.txt
File sent successfully.
Number of alphabetic letters: 0
```

```
…/7005-client_server_tcp/source on main [?] via pyenv took 7m21s
❯ python server.py -p 6000
Server listening on port 6000
Server is listening on ('192.168.50.98', 51640)
Received file request: test4.txt
```

Test 7

```
towelie in Cyclonus in …/7005-client_server_tcp/source on main [?] via pyenv
→ python client.py -i 192.168.50.185 -p 6000 -f test3.txt
Socket created and connected to 192.168.50.185:6000
Sending file path: test3.txt
Sending file content of: test3.txt
File sent successfully.
Number of alphabetic letters: 0
```

```
…/7005-client_server_tcp/source on main [?] via pyenv took 7m21s
→ python server.py -p 6000
Server listening on port 6000
Server is listening on ('192.168.50.98', 51640)
Received file request: test4.txt
Server is listening on ('192.168.50.98', 51976)
Received file request: test3.txt
```

Test 8

```
towelie in Cyclonus in …/7005-client_server_tcp/source on main [?] via pyenv
→ python client.py -i 192.168.50.185 -p 5000 -f test7
Error: Unable to connect to server socket: [Errno 111] Connection refused
```

```
…/7005-client_server_tcp/source on main [?] via pyenv took 7m21s
→ python server.py -p 6000
Server listening on port 6000
```

Test 9

```
towelie in Cyclonus in …/7005-client_server_tcp/source on main [?] via pyenv
❯ python client.py -i 192.168.50.185 -p 6000 -f test3.txt
Error: Unable to connect to server socket: [Errno 111] Connection refused

towelie in Cyclonus in …/7005-client_server_tcp/source on main [?] via pyenv
❯
```

```
→ python server.py -p 6000
Server listening on port 6000
Server is listening on ('127.0.0.1', 33042)
Received file request: test1.txt
Server is listening on ('192.168.50.98', 50760)
Received file request: test2.txt
Server is listening on ('192.168.50.180', 60758)
Received file request: test3.txt
Server is listening on ('192.168.50.98', 38478)
Received file request: test5.sh
Server is listening on ('192.168.50.98', 43348)
Received file request: test4.txt
Server is listening on ('192.168.50.98', 53528)
Received file request: test3.txt
^C
Shutting down and closing the connection

…/7005-client_server_tcp/source on main [?] via pyenv took 5m40s
→

…/7005-client_server_tcp/source on main [?] via pyenv took 5m40s
```

Test 10

```
towelie in Cyclonus in …/7005-client_server_tcp/source on main [?] via pyenv
→ python client.py -i 192.168.50.185 -p 6000
usage: client.py [-h] -i IP -p PORT -f FILE
client.py: error: the following arguments are required: -f/--file
```

```
towelie in Cyclonus in …/7005-client_server_tcp/source on main [?] via pyenv
❯ python client.py -i 192.168.50.185 -f test3.txt
usage: client.py [-h] -i IP -p PORT -f FILE
client.py: error: the following arguments are required: -p/--port
```

```
towelie in Cyclonus in …/7005-client_server_tcp/source on main [?] via pyenv
❯ python client.py -p 5000 -f test3.txt
usage: client.py [-h] -i IP -p PORT -f FILE
client.py: error: the following arguments are required: -i/--ip
```