\* This script is for Project 1B.

\* Version: 0.8 for final grading!

\* Using server server port: 51708

\* Time allowance for most tests is 1.000000

\* Starting tests...

\* IP address of the NIC: 127.0.1.1

\* connection test using the host's real IP address: PASS

\* Login command test: PASS

\* Invalid state test (speak/move before login): PASS

\* Invalid state test (login after login): PASS

\* Duplicated login test: PASS

\* Move command test: PASS

\* HP regeneration test: PASS

<subprocess.Popen object at 0x7fc50f940a10>

mario

<subprocess.Popen object at 0x7fc50f940d10>

mario

\* Speak command test (100 bytes + null): PASS

<subprocess.Popen object at 0x7fc50f940a50>

mario

<subprocess.Popen object at 0x7fc50f940cd0>

mario

\* Speak command test (254 bytes + null): PASS

\* Now testing the attack command.

\* This may take long since we move players.

Player1 loc: (26,7)

Player2 loc: (28,18)

Player1 moves east 0 times

Player1 moves south 3 times

! Attack command test.: FAIL w/ an exception: # ATTACK\_NOTIFY is not 1. Got 0. Client output: enqueued msg ver:4 len:16 type:5 raw\_pkt(net\_byte\_order)=[04 00 10 05 70 65 61 63 68 00 00 00 00 00 00 00 ]

The gate to the tiny world of warcraft has disappeared.

\* Logout command test: PASS

! Player data persistency test (normal logout): FAIL w/ an exception: [Errno 32] Broken pipe

\* Player data persistency test (client crash): PASS

\* Exception test (invalid version): PASS

\* Exception test (invalid length): PASS

\* Exception test (invalid msg type): PASS

! Exception test (invalid move direction): FAIL w/ an exception: The server did not disconnect the client. Client output: enqueued msg ver:4 len:16 type:1 raw\_pkt(net\_byte\_order)=[04 00 10 01 6d 61 72 69 6f 00 00 00 00 00 00 00 ]

received msg ver:4 len:16 type:2 raw\_pkt(net\_byte\_order)=[04 00 10 02 00 00 00 00 73 00 00 00 00 1a 0d 00 ]

Welcome to the tiny world of warcraft.

received msg ver:4 len:24 type:4 raw\_pkt(net\_byte\_order)=[04 00 18 04 6d 61 72 69 6f 00 00 00 00 00 1a 0d 00 00 00 73 00 00 00 00 ]

mario: location=(26,13), HP=115, EXP=0

\* Fault ``direction'' is on.

enqueued msg ver:4 len:8 type:3 raw\_pkt(net\_byte\_order)=[04 00 08 03 0a 61 72 69 ]

received msg ver:4 len:24 type:4 raw\_pkt(net\_byte\_order)=[04 00 18 04 6d 61 72 69 6f 00 00 00 00 00 1a 0d 00 00 00 73 00 00 00 00 ]

mario: location=(26,13), HP=115, EXP=0

\* Exception test (invalid player name): PASS

\* Exception test (invalid speak message): PASS

! Exception test (emulating a slow link): FAIL w/ an exception: # SPEAK\_NOTIFY is not 1. Got 0. Client output: enqueued msg ver:4 len:16 type:1 raw\_pkt(net\_byte\_order)=[04 00 10 01 6d 61 72 69 6f 00 00 00 00 00 00 00 ]

received msg ver:4 len:16 type:2 raw\_pkt(net\_byte\_order)=[04 00 10 02 00 00 00 00 73 00 00 00 00 1a 0d 00 ]

Welcome to the tiny world of warcraft.

received msg ver:4 len:24 type:4 raw\_pkt(net\_byte\_order)=[04 00 18 04 6d 61 72 69 6f 00 00 00 00 00 1a 0d 00 00 00 73 00 00 00 00 ]

mario: location=(26,13), HP=115, EXP=0

\* Fault ``slow\_link'' is on.

enqueued msg ver:4 len:56 type:7 raw\_pkt(net\_byte\_order)=[04 00 38 07 31 32 33 34 35 36 37 38 39 30 31 32 33 34 35 36 37 38 39 30 31 32 33 34 35 36 37 38 39 30 31 32 33 34 35 36 37 38 39 30 31 32 33 34 35 36 37 38 39 30 00 00 ]

The gate to the tiny world of warcraft has disappeared.

Exception in thread Thread-1:

Traceback (most recent call last):

File "threading.py", line 801, in \_\_bootstrap\_inner

File "threading.py", line 754, in run

File "server.py", line 66, in acceptClient

error: [Errno 32] Broken pipe

! Exception test (truncated last packet): FAIL w/ an exception: # LOGOUT\_NOTIFY is not 1. Got 0. Client output: enqueued msg ver:4 len:16 type:1 raw\_pkt(net\_byte\_order)=[04 00 10 01 70 65 61 63 68 00 00 00 00 00 00 00 ]

received msg ver:4 len:16 type:2 raw\_pkt(net\_byte\_order)=[04 00 10 02 00 00 00 00 74 00 00 00 00 1c 12 00 ]

Welcome to the tiny world of warcraft.

received msg ver:4 len:24 type:4 raw\_pkt(net\_byte\_order)=[04 00 18 04 70 65 61 63 68 00 00 00 00 00 1c 12 00 00 00 74 00 00 00 00 ]

peach: location=(28,18), HP=116, EXP=0

received msg ver:4 len:24 type:4 raw\_pkt(net\_byte\_order)=[04 00 18 04 6d 61 72 69 6f 00 00 00 00 00 1a 0d 00 00 00 73 00 00 00 00 ]

mario: location=(26,13), HP=115, EXP=0

received msg ver:4 len:36 type:8 raw\_pkt(net\_byte\_order)=[04 00 24 08 6d 61 72 69 6f 00 00 00 00 00 74 68 69 73 20 77 69 6c 6c 20 62 65 20 73 68 6f 77 6e 00 00 00 00 ]

mario: this will be shown

received msg ver:4 len:40 type:8 raw\_pkt(net\_byte\_order)=[04 00 28 08 6d 61 72 69 6f 00 00 00 00 00 74 68 69 73 20 6d 75 73 74 20 6e 6f 74 20 62 65 20 73 68 6f 77 6e 00 00 00 00 ]

mario: this must not be shown

! Performance test (speak messages by 5 clients): FAIL w/ an exception: [Errno 32] Broken pipe

! Performance test (speak messages by 10 clients): FAIL w/ an exception: [Errno 32] Broken pipe

\* Performance test (speak messages by 20 clients): PASS

\* Finished all the tests.

Function tests (13): 110/130

Exception tests (8): 50/80

Performance tests (3): 10/30

Earned 170 out of 240

Points: 70.8333333333