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Log of Test Cases

Test 2001:

1. Java EchoServer
2. Server displays, "Server listening for console on port 5555"

Test 2002:

1. Java ClientConsole
2. Console displays, "ERROR – No login ID specified. Connection aborted."
3. Client terminated

Test 2003:

1. Java ClientConsole Will
2. Console displays, "Cannot open connection. Awaiting command."

Test 2004:

1. Started a Server (2001, l 1)
2. Test 2003
3. A new client is attempting to connect to the server
4. Client displays,
 - a. "A new client is attempting to connect to the server."
 - b. "Message received #login Will from Will"
 - c. "Will has logged on"

Test 2005:

1. Test 2004
2. Server sends, "Message received: Hello from Will", to every client connected to the server

Test 2006:

1. Server started, clients "Will" and "Bill" connected.
2. Message "Hello" sent by Will to the server is Echoed to all the clients connected to the server
3. Message "Hello" sent by the server to all its connected clients

Test 2007:

1. Test 2001
2. After starting a server, #quit is entered into the console and the server quits

Test 2008:

1. Test 2001, I 1
2. Test 2004
3. “#stop” is entered into the Servers console, displaying
 - a. “Server has stopped listening for connections”
4. Client displays, “WARNING – Server has stopped listening for connections”
5. Client sends message “Hello” to the server and it is echoed to all connected clients
6. Client “Bill” is waiting to connect, and it connected once the server starts listening for new connections

Test 2009:

1. Test 2007
2. Server receives “#stop” and “#close” commands from the console, the server displays
 - a. “Server has stopped listening for connections”
 - b. “Will has disconnected”
3. Client displays
 - a. “WARNING – Server has stopped listening for connections”
 - b. “SERVER SHUTTING DOWN! DISCONNECTING!”
 - c. “Abnormal termination of connection”
4. Client is still active and waiting for commands

Test 2010:

1. Test 2008
2. Server receives command “#start”, displays
 - a. “Server listening for connections on port 5555”
3. Client “Will” attempts to connect
4. Client connects

Test 2011:

1. Test 2002
2. Client receives “#quit” from the command line
3. The client terminates gracefully

Test 2012:

1. Test 2001, I 1
2. Client “Will” connects
3. Client receives command “#logoff”, client disconnects and displays
 - a. “Connection closed”

Test 2013:

1. Start a client, “Will”, with no server
2. ClientConsole receives command “sethost WillHost”
3. ClientConsole receives command “setport 1234”
4. Client displays
 - a. Host set to WillHost

- b. Port set to 1234

Test 2014:

1. Server started through ServerConsole with port 1234
2. Server displays
 - a. "Server listening for connections on port 1234."

Test 2015:

1. Test 2014
2. On a different computer, I created client "Will" with host "localhost" and port 1234
3. Which caused the client to connect the server

Test 2016:

1. Test 2001, I 1
2. On a different computer I connected two clients, Will and Bill
3. They each sent the message "Hello" to the server, which were then echoed to every connected client
4. The server received the "#close" command
5. Server receives "#setport 5000"
6. I changed the port of each client to 5000
7. Then I restarted the server
8. Each client connected successfully

Test 2017:

1. I started two different servers on two different computers, with default ports
2. I started a client, Will, on a third computer and connected it to the server with port 5555
3. The client received command "#logoff", causing the client to disconnect from the server
4. Client receives "#sethost Willshost"
5. The client sends command "#login Willshost" to the second server and successfully connects

Test 2018:

1. 3 Clients are created, clients Will, Bill, and Bob
2. Will receives command "#quit"
3. Bill receives command "#logoff"
4. All connected clients received message "Will has disconnected"
5. Bills console displays "Connection closed"