

## Program 2 Test DRAFT

1. Run server as:  
java TweetsterServer <parameters>
2. Add userid/password randy/candy to password file.
3. Restart server on each test.
4. Run Donahoo client as  
java -jar Go.jar

Add -n option to end of parameter list to disable delay.

### **Test 1 - Basic (40 points):**

1. Run Donahoo client
  - ✓ If this fails, try running Donahoo client with -n option (after the parameters). If this fixes the problem, -20 points.
  - ✓ -5 if command-line parameter testing faulty
2. Run Donahoo client with bad password
3. Run Donahoo client with bad user ID
4. Run Donahoo client (correct). Verify Twitter post

### **Test 2 – Violate Protocol (10 points):**

Using Telnet

1. LOGONN <real user>. Expected : LOGIN incorrect
2. Run Donahoo client to verify that misbehaving clients don't kill server or create new thread.

### **Test 3 – Premature Close (10 points):**

Using Telnet

1. Connect and then wait. Server should disconnect.
2. LOGON <real user>, then immediately close.
3. Donahoo client to verify that misbehaving clients don't kill server or create new thread.

### **Test 4 – Thread Pool (20 points):**

Verify that this is a thread pool implementation.

1. Simultaneously open two telnet connections: CONN1 and CONN2. Observe multiple threads in Eclipse debugger.
2. Type "LOGON <user1>" in CONN 1 and observe challenge.
3. Type "LOGON <user2>" in CONN 2 and observe disconnect.
4. Reconnect, observe thread reuse, and type "LOGON <user1>".
5. Run regular client.
6. Observe regular client thread death.
7. Disconnect from CONN 1 and observe eventual thread death.
8. Disconnect from CONN 2 and observe eventual thread death.

-20 if iterative or thread-per

-5 if thread ID not printed

-5 if race condition

### **Test 5 – Logging (10 points):**

Verify correct logging for each.

**Test 6 – Password File (10 points):**

Test with empty password file using regular client. Expect “No such user”.

Test with no password file. Expect server startup error.

0 if program does not compile

- 5 if incorrect usage message or parameters (try with 0 and 5 parameters)
- 3 unused include/import or unjustified include/import.\* or import.\* w/o > 4 matching classes
- 10 for poor commenting
- 2 for each unjustified numeric constant
- 5 bad submission
- 1 for each section of commented code
- 5 if violate coding convention