

**Program 1 Test**  
**CSI4321**

Run client as follows:

```
java -Dfile.encoding="Unicode" -Dline.separator=BLAH
```

**Test 1 (40 points) (wind:5001):** Correct Operation. Try with and without correct userid/password

If 5001 (with delay) fails: -30 (and finish test with 12345)

No parameters

Good ID/password

Good ID/bad password  
ERROR

Bad ID  
ERROR

Verify success on Twitter page  
Verify client nonce is random: -10

Character Encoding Problem: -5  
EoLN Problem: -5

**Test 2 (15 points) (wind:5002):** Bad challenge message (“CHLNGING” instead of “CHLNG “from server

Expect error message and no post to Twitter

**Test 3 (15 points) (wind:5003):** Bad verify from server

Expect error message and no post to Twitter

**Test 4 (15 points) (wind:5004):** Server Unavailable

Upon connection, server immediately sends “ERROR Server unavailable” and disconnects.

**Test 5 (15 points) (wind:5005):** Server sends long challenge string. Check for giant buffer allocation and make string slightly longer.

Verify success on Twitter page

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