

Program 4 - Server

Run server as follows:

```
java -Dfile.encoding="Unicode" -Dline.separator=BLAH WUNUServer <parameters>
```

Test 1 (50 points):

- ✓ Run server with no parameters, just port, bad Twitter user ID, good Twitter user ID/password
- ✓ Twitter account should have no posts.
- ✓ Run client requesting 10 posts for no posts
- ✓ Post a single post
- ✓ Run client requesting 10 posts for 1 post
- ✓ Post another post
- ✓ Run client requesting 10 posts for 2 posts
- ✓ Run client requesting 0 posts for 2 posts
- ✓ Run client requesting 1 post for 2 posts

Take off points for poor coding practices

Test 2 (10 points):

Client sends request for maximum number of posts (4294967295). Server can either 1) send back the number of posts it can or 2) send an error, in which case you need to verify the number of requested posts in the log. Make sure that in any case you can verify that the server can correctly deserialize an unsigned int.

Test 3 (10 points):

Client sends request with maximum query ID (255). Server operates normally (verify returned query ID). Use `-q` option on client.

Test 4 (10 points):

Client sends incorrect version. Server should send error. Use `-v` option on client.

Test 5 (10 points):

Packet too long. Server should send error. Use `-a` option on client.

Test 6 (10 points):

Packet too short. Server should send error. Use `-a` option on client.

0 if program does not compile

Take off points for poor coding practices

- 2 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
- 5 incorrect command-line parameters/usage message
- 15 encoding or line ending problems