

CIS 432/532 Introduction to Computer Networks

Fall 2001

Program #1 Survey

1. Identification

Print clearly.

Name _____

CS Username _____

2. Program Status

Check the boxes below to indicate which functions your program performs properly.

Basic Requirements

- Program includes a Makefile and compiles.
- Arguments are parsed properly and illegal arguments handled cleanly.
- Implementation options indicated below:
 - Your client and server use a null character to mark the end of each message, or
 - Your client and server use only the newline character to mark the end of a message.
 - Your client and server send all messages with a single send() call and expect all messages to be received in a single recv() call, or
 - Your client and server send some messages with multiple send() calls and your client can do multiple recv() calls to receive a single message.

Protocol Correctness

- Client can login automatically, gets a unique default nickname.
- Client can create and delete groups, all errors handled properly.
- Client can join and leave groups, all errors handled properly.
- Client can list all the groups.
- Client can change nickname, all errors handled properly.
- Client can use who and whois to list information about all users. Who lists only the users in the current group if the client is in a group. All errors handled properly.
- Client can send messages to other users in the same group, all errors handled properly.
- Client can send private messages to other users, all errors handled properly.
- Client can quit and restart, without any problems.
- User receives parsing error when format of command is improper.

Interoperability

- Your client works with solution server.
- Your server works with solution client.

3. Comments

If your program doesn't work properly, please describe in more detail what is wrong. Use the back if you need more space.