

## Social Networking Application Example

### Part 1

**This is what the user inputs:**

```
[dhcp-wifi-8021x-155-41-114-83:pa1part1 nathan$ java User
Usage: java User <host> <portNumber>
Now using host=localhost, portNumber=8000
hello world
[dhcp-wifi-8021x-155-41-114-83:pa1part1 nathan$ java User
Usage: java User <host> <portNumber>
Now using host=localhost, portNumber=8000
is this thing on?
[dhcp-wifi-8021x-155-41-114-83:pa1part1 nathan$ java User
Usage: java User <host> <portNumber>
Now using host=localhost, portNumber=8000
Why do I keep getting booted off? Nathan must've implemented this correctly
dhcp-wifi-8021x-155-41-114-83:pa1part1 nathan$ █
```

**Here is what is printed to the server:**

```
Now using port number=8000

Server using port number=8000

hello world
is this thing on?
Why do I keep getting booted off? Nathan must've implemented this correctly
█
```

### Part 2:

Now using host=localhost, portNumber=8000  Welcome! Please enter your username: Nathan  Connection to server has been made  does this work? Your status has posted!  A new user has joined!	Now using host=localhost, portNumber=8000  Welcome! Please enter your username: Leticia  Connection to server has been made	Now using host=localhost, portNumber=8000
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<p>leticia: hello</p> <p>A new user has joined! is this thing on? Your status has posted!</p> <p>jasper: it seems so User jasper has left User leticia has left Exit Closing now IOException: java.io.IOException: Stream closed</p>	<p>hello Your status has posted!</p> <p>A new user has joined!</p> <p>nathan: is this thing on?</p> <p>jasper: it seems so User jasper has left Exit Closing now IOException: java.io.IOException: Stream closed</p>	<p>Welcome! Please enter your username: jasper Connection to server has been made nathan: is this thing on?</p> <p>it seems so Your status has posted! Exit Closing now IOException: java.io.IOException: Stream closed</p>
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### Part 3:

<p>Now using host=localhost, portNumber=8000 Welcome! Please enter your username: Nathan</p> <p>Connection to server has been made A new user has joined!</p> <p>A new user has joined!</p> <p>@connect leticia</p> <p>leticia and nathan are now friends hi Your status has posted!</p> <p>leticia: hello there</p> <p>@connect jasper jasper rejected your friend request</p>	<p>Now using host=localhost, portNumber=8000 Welcome! Please enter your username: Leticia</p> <p>Connection to server has been made</p> <p>A new user has joined!</p> <p>nathan wants to be friends! @friend nathan leticia and nathan are now friends</p> <p>nathan: hi hello there Your status has posted!</p> <p>jasper wants to be friends! @friend jasper</p>	<p>Now using host=localhost, portNumber=8000 Welcome! Please enter your username: A new user has joined! Jasper</p> <p>Connection to server has been made</p> <p>nathan wants to be friends! @deny nathan @connect leticia</p>
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leticia: boop  leticia nathan are no longer friends test Your status has posted! User jasper has left Exit Closing now IOException: java.io.IOException: Stream closed	leticia and jasper are now friends  boop Your status has posted!  @disconnect nathan leticia and nathan are no longer friends test Your status has posted! User jasper has left User nathan has left	leticia and jasper are now friends  leticia: boop    leticia: test Exit Closing now IOException: java.io.IOException: Stream closed
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