



Member 1: \_\_\_\_\_

Section: \_\_\_\_\_

Member 2: \_\_\_\_\_

Member 3: \_\_\_\_\_

### Machine Project – Message Board Demo Kit

*Note: Items without corresponding points are test commands. If the item does not work, deduction of 1 point.*

<b>A. Startup Process[2]</b>	<b>SCORE</b>
Run the Server Application (IP: 127.0.0.1, Port:12345)[1]	
Run 3 instances of the Client Application (Users: Alice, Bob, Charlie) [1]	

<b>B. Command Test (Alice, Unjoined) [5]</b>	<b>SCORE</b>
User Alice checks the command list by using <code>"/?"</code> [1]	
User Alice receives a command error from the client using <code>"/leave"</code> [1]	
User Alice receives a command error from the client using <code>"/register Alice"</code> [1]	
User Alice receives a command error from the client using <code>"/register"</code>	---
User Alice receives a command error from the client using <code>"/dir"</code> [1]	
User Alice receives a command error from the client using <code>"/store Hello.txt"</code> [1]	
User Alice receives a command error from the client using <code>"/get Hello.txt"</code>	---
User Alice receives a command error from the client using <code>"join 127.0.0.1 12345"</code>	---

<b>C. User Join Process [6]</b>	<b>SCORE</b>
User Alice successfully joins the server using <code>"/join 127.0.0.1 12345"</code> [2]	
User Bob unsuccessfully joins the server due to an incorrect port using <code>"/join 127.0.0.1 12346"</code> [2]	
User Bob unsuccessfully joins the server due to an incorrect port IP using <code>"/join 103.231.240.130 12345"</code> [2]	
User Bob successfully joins the server using <code>"/join 127.0.0.1 12345"</code>	---
User Charlie successfully joins the server using <code>"/join 127.0.0.1 12345"</code>	---

<b>D. Command Test (Bob, Joined, Unregistered) [6]</b>	<b>SCORE</b>
User Bob checks the command list by using <code>"/?"</code> [1]	
User Bob receives a command error from the client using <code>"/join"</code> [2]	
User Bob receives a command error from the client using <code>"/dir"</code> [1]	
User Bob receives a command error from the client using <code>"/get Hello.txt"</code> [1]	
User Bob receives a command error from the client using <code>"/abcde"</code>	---
User Bob unsuccessfully leaves the server due to incorrect parameters using <code>"/quit"</code>	---
User Bob successfully leaves the server using <code>"/leave"</code> [1]	

<b>E. User Handle Registration Process [4]</b>	<b>SCORE</b>
User Alice successfully registers the handle using <code>"/register Alice"</code> [2]	
User Bob unsuccessfully registers the handle due to an incorrect syntax using <code>"/register"</code> [2]	
User Bob successfully registers the handle using <code>"/register Bob"</code>	---
User Charlie successfully registers the handle using <code>"/register Charlie"</code>	---

<b>F. File Exchange Process [15]</b>	<b>SCORE</b>
User Alice successfully uploads file to the server directory using <code>"/store &lt;filename1&gt;"</code> [3]	
User Bob successfully uploads files to the server directory using <code>"/store &lt;filename2&gt;"</code> [3]	
User Charlie successfully uploads files to the server directory using <code>"/store &lt;filename3&gt;"</code>	---
User Alice successfully sends and receives the directory list from the server <code>/dir</code> [3]	
User Alice successfully receives file from the server using <code>"/get &lt;filename2&gt;"</code> [3]	
User Alice receives a command error from the server using <code>"/get &lt;filenameX&gt;"</code> (non-existing file) [3]	

<b>G. Server Closing Test [2]</b>	<b>SCORE</b>
Stop the Server Application	
User Alice unsuccessfully sends and receives error command using a directory request <code>"/dir"</code> [2]	

<b>Bonus [8]</b>	<b>SCORE</b>
<b>GUI [2 pts]</b>	
<b>Messaging Feature [6 pts]</b> <ul style="list-style-type: none"> <li>3 pts Broadcast messaging feature</li> <li>3 pts Unicast messaging feature</li> </ul>	

Total Points: \_\_\_\_\_