



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.

A. Startup Process[2]	SCORE
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. Command Test (Alice, Unjoined) [5]	SCORE
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>	---

C. User Join Process [6]	SCORE
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>	---

D. Command Test (Bob, Joined, Unregistered) [6]	SCORE
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]	

E. User Handle Registration Process [4]	SCORE
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>	---

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

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

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

Total Points: _____