



Member 1: _____

Section: _____

Member 2: _____

Member 3: _____

Machine Project – 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 "/ ?" [1]	
User Alice receives a command error from the client using "/leave" [1]	
User Alice receives a command error from the client using "/register Alice" [1]	
User Alice receives a command error from the client using "/register" ---	---
User Alice receives a command error from the client using "/dir" [1]	
User Alice receives a command error from the client using "/store Hello.txt" [1]	
User Alice receives a command error from the client using "/get Hello.txt" ---	---
User Alice receives a command error from the client using "join 127.0.0.1 12345" ---	---

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

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

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

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