CS2308: Fall 2022
Assignment 4 Rubric
Student Name:

███████████████████████████████

Style: 20 points

Condition	Max Points	Points Awarded
All lines less that 80 characters.	4	███
Variables have meaningful names.	4	███
Actions are fully commented.	4	███
Every block indented one tab or 4 spaces.	2	███
Code is not duplicated between branches (e.g. in an if...else)	2	███
File name is [Authors Last Name]_assignment3.cpp	2	███
Author, collaborators, and date comments included.	2	███

Non-functional Requirements: 30 points

Condition	Max Points	Points Awarded
Robot and RobotList has been defined as classes, not structs	4	███
Robot and RobotList classes have all listed member variables and functions.	4	███
All functions are fully commented.	4	███
Program stores Robots in a linked list	10	███
Robot and RobotList data members are private.	4	███
All dynamically allocated memory is deleted	4	███

Test Cases: 50 points

Input	Console Output is at least...	Max Points	Points Awarded

Start Program
 	
2
Wiles
Xiong
	Welcome.
	How many robots?
	Please name each robot.
	(Exact text may vary)
	
	Please select:
	  M- move
	  D- distances
	  Q- quit
		2	▮

U a Thompson	Thompson is now in the list. **(Exact text may vary)**	5	▮
M Wiles l m Wiles L	Wiles's position is -1, 0 Wiles's position is -3, 0	3	▮
M Xiong r m Xiong s m Xiong s M Xiong r	Xiong's position is 1, 0 Xiong is now stopped Xiong is now started Xiong's position is 2, 0	5	▮
M Thompson r m Thompson U m Thompson l M Thompson d	Thompson's position is 1, 0 Thompson's position is 1, 1 Thompson's position is 0, 1 Thompson's position is 0, 0	5	▮
u D Wiles m Wiles U a Wiles	Wiles removed from list. Robot not in list. Wiles is now in the list. **(Exact text may vary)**	5	▮
r Thompson Shauna m Thompson	Thompson's name is now Shauna Program prints error message **(Exact text may vary)**	5	▮
m Shauna l	Shauna's position is -1, 0	5	▮
D	Shauna 5 Xiong 2 Wiles 0	10	▮
Q	Goodbye **(Exact text may vary)** **(Program should terminate)**	5	▮

Total Points: ▮