

CS2308: Spring 2023

Assignment 1 Rubric

Student Name:

Style: 20 points

Condition	Max Points	Points
		Awarded
All lines less that 80 characters.	4	
Variables have meaningful names.	4	
Functions and 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]_assignment1.cpp	2	
Author, collaborators, and date comments included.	2	

Non-functional Requirements: 20 points

Condition	Max Points	Points
		Awarded
Robot struct has all listed member.	10	
Program stores array of Robots.	5	
Robots' positions are updated using moveRobot function	5	

Test Cases: 60 points

Projects that do not compile will not be graded on these Test Cases.

Projects that terminate early will only be graded to the case where they cease running.

Input	Console Output is at least...	Max Points	Points Awarded
Start Program	Welcome. How many robots? Please name each robot. (Exact text may vary)	5	
3 Autumn Marwa Keiko	Please select: M- move D- distances Q- quit	10	
m Autumn L	Autumn's position is -1, 0	5	
T	Program prints error message (Exact text may vary)	5	
M Karl	Program prints error message (Exact text may vary)	5	
M Marwa u	Marwa's position is 0, 1	5	
M Autumn L	Autumn's position is -3, 0	5	
m Marwa r	Marwa's position is 1, 1	5	
D	Autumn 3 Marwa 2 Keiko 0	10	
Q	Goodbye (Exact text may vary)	5	

Total Points: