Mid-Project Check for Competition Challenge

Out: Thursday, 3 October 2019
Due: Tuesday, 8 October 2019

There are two parts of this assignment:

1. Be prepared to demonstrate your robot completing one of the required tasks (sorting a ping pong ball, sorting a block, stacking two blocks, or delivering the squishy robot to the lit area) in class on Tuesday, 10/8. Holly and Victoria will check off your demo.

2. Bring a paper copy of your answers to the following questions to class, which will be turned in as you give your demonstration. This will probably be about two pages long, although you are not being graded on length. Say what you need to say, no more needed.

   a. What is your overall strategy for the competition tasks (i.e., order that you plan to do the tasks in, tasks you plan to do, tasks you are unlikely to attempt)?

   b. What is your design plan for accomplishing your strategy? You might want to include a photo or drawing of your robot, but it is not required. Similarly, you may want to include a finite state diagram or pseudocode, but it is not required.

   c. What is the current status of your robot? What are you demonstrating today? How reliable is it right now?

   d. What is your timeline for achieving your strategy by the in-class competition on Tuesday 10/22? Include a timeline.