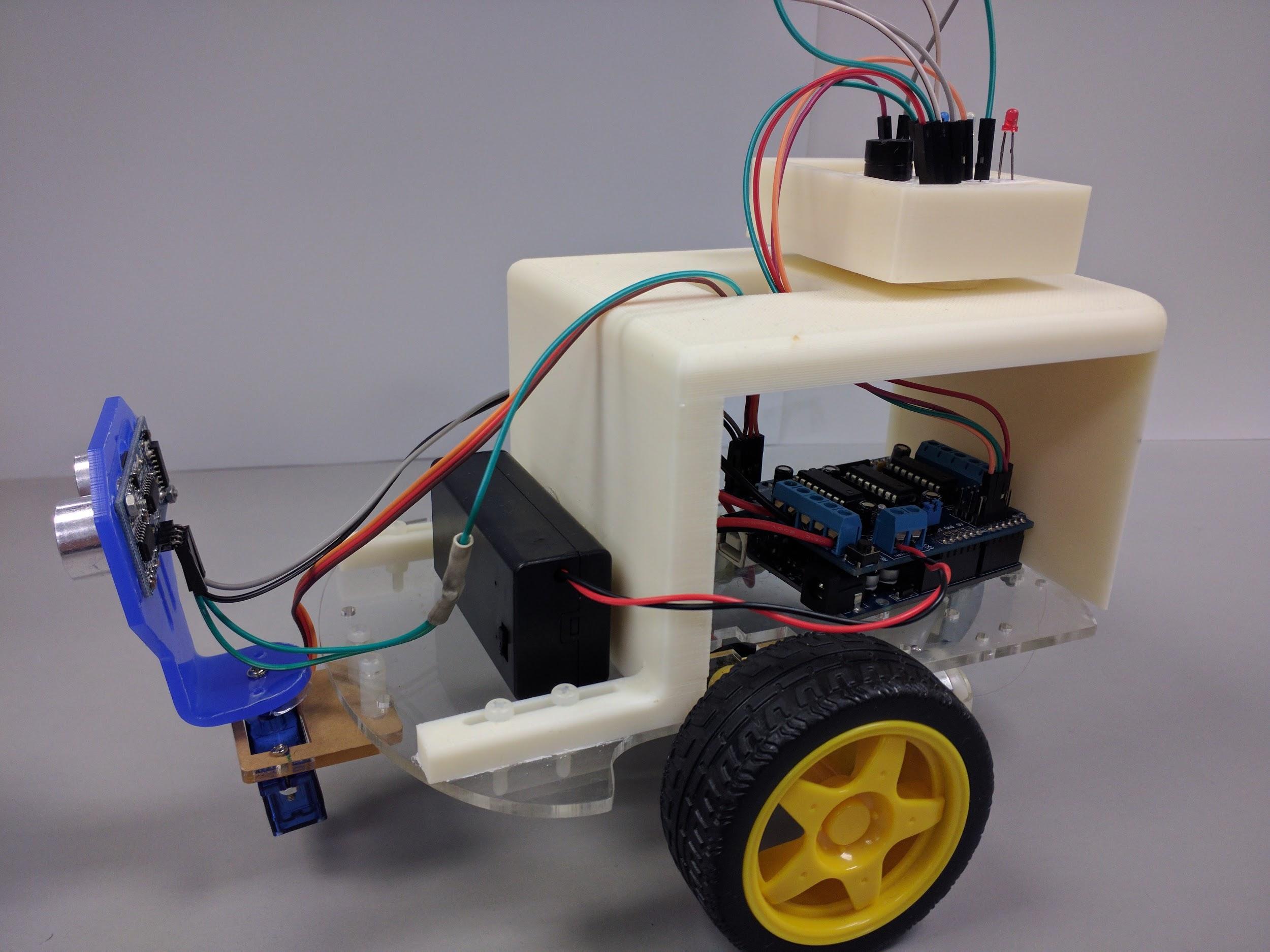
**iCREAT I: Final iCREAT Project Assignment Specification**

# 



horizontal line

After design, teams must split the coding work very clearly for grading purposes. Please make sure your project meets the following specifications:

Your robot must use:

1. An ultrasonic sensor to avoid obstacles.
2. A servo motor to sweep.
3. 2 DC motors for the wheels.
4. A motor shield to interface with the motors.
5. Integrate as many of the following components as there are members in the teams:
   1. At least 2 LEDs
   2. A buzzer.
   3. An LDR.

Team member #1 will code the DC motors.

Team member #2 will code the servo motor and the ultrasonic sensor.

Team member #3 will code the LDR with LEDs and the buzzer.

Please comment on the code and include each team member’s name as a comment for each function created. Example:

// author: Student\_lastName, First Name

// This function will turn both the wheels forward etc. etc.

void moveForward(){

}

# 