

AME 3623: Project 2 Group Grading Rubric

February 12, 2020

Group number:

Team member names:

Team member claiming software component:

Implementation: 35 points

Circuit 10 points

- (10) The circuit includes all required components (two Sharp distance sensors).
- (5) One component is missing or not connected properly.
- (0) No components are connected properly.

read_distance(): 15 points

- (15) Fully meets the given specification.
- (10) Fails to meet one aspect of the specification.
- (5) Fails to meet two aspects of the specification.
- (0) Does not meet the given specification.

Component 6 loop(): 10 points

- (10) Fully meets the given specification.
- (5) Fails to meet one aspect of the specification.
- (0) Does not meet the given specification.

Demonstration: 25 points

Reported distances: 25 points

- (25) Both distance sensors are reporting appropriate values.
- (13) Only one distance sensor is working or the reported distances are not well-calibrated.
- (0) Reported distances do not reflect test conditions.

Documentation: 40 points

Project documentation: 5 points

- (5) All required project-level information is given at the top of the INO and H file(s), including: project number, date, group number, group members, and the group member responsible for the code.
- (3) One required piece of information is missing.
- (0) Two or more required pieces of information are missing.

Function header documentation: 15 points

- (15) All functions are documented with a high-level description, a description of each of the parameters, and a description of the return value (where appropriate).
- (10) Function documentation is missing one component.
- (5) Function documentation is missing two components.
- (0) Function header documentation is missing three or more components.

In-line documentation: 10 points

- (10) Function includes all appropriate in-line documentation (“appropriate” means that you capture the logic of a line of code or group of lines)
- (5) Some in-line documentation is missing.
- (0) No in-line documentation is given.

Graphs: 10 points

- (10) Both graph types are submitted and show correct data, title, and axis labels (including units). There are two of each type.
- (7) There is a problem with one of the graphs.
- (5) There is a problem with two of the graphs.
- (0) There are problems with more than two graphs or the graphs are missing.