AME 3623: Project 1 Group Grading Rubric (DRAFT)

February 21, 2013

Implementation: 35 points

Circuit 7 points

(7) The circuit includes all required components (properly connected), including: compass, orientation LEDs, velocity LED bar, and switch.

(5) One component is missing or not connected properly.

(3) Multiple components are missing or not connected properly.

(0) No components are connected properly.

get_orientation(): 7 points

(7) Fully meets the given specification.

(4) Fails to meet one aspect of the specification.

(0) Does not meet the given specification.

main(): 7 points

(7) Fully meets the given specification.

(4) Fails to meet one aspect of the specification.

(0) Does not meet the given specification.

compute_orientation_error(): 7 points

(7) Fully meets the given specification.

(4) Fails to meet one aspect of the specification.

(0) Does not meet the given specification.

display_orientation(): 7 points

(7) Fully meets the given specification.

(4) Fails to meet one aspect of the specification.

(0) Does not meet the given specification.

Demonstration/Presentation: 30 points

Switch: 4 points

(4) Switch determines display of orientation or error.

(0) Switch does not function properly.

Orientation display: 4 points

(4) Orientation display works properly.

(2) Orientation display has one problem.

(0) Orientation display does not function properly.

Error display: 4 points

(4) Error display works properly.

(2) Error display has one problem.

(0) Error display does not function properly.

Goal: 3 points

(3) Goal is set according to the specification.

(0) Goal is not set according to the specification.

Presentation: 15 points

(15) Presentation contains all required components, including: a statement of the team members, who was responsible for each of the personal components, the logic of get_orientation(), the logic of compute_orientation_error(), the logic of display_orientation() and the circuit diagram.

(11) One component is missing.

(5) More than one component is missing.

(0) No presentation.

Documentation: 35 points

Function header documentation: 20 points

(20) 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).

(15) One function is not documented properly.

(8) Multiple functions are not documented properly.

(0) Function header documentation is not given.

In-line documentation: 15 points

(15) All functions include appropriate in-line documentation. ("appropriate" means that you capture the logic of a line of code or group of lines)

(10) One function is missing in-line documentation.

(5) Multiple functions are missing in-line documentation.

(0) No in-line documentation is given.