AME 3623: Project 3 Group Grading Rubric

February 24, 2016

Group number:

Team member names:

Team member claiming software component:

Implementation: 35 points

Circuit 5 points
(5) The circuit includes all required components (properly connected), including: H-bridge and power harness.
(3) One component is missing or not connected properly.
(1) Multiple components are missing or not connected properly.
(0) No components are connected properly.

clip(): 6 points
(6) Fully meets the given specification (from project 2).
(3) Fails to meet one aspect of the specification.
(0) Does not meet the given specification.

set_lift_motor_direction(): 6 points
(6) Fully meets the given specification.
(3) Fails to meet one aspect of the specification.
(0) Does not meet the given specification.

set_lift_motor_magnitude(): 6 points
(6) Fully meets the given specification.
(3) Fails to meet one aspect of the specification.
(0) Does not meet the given specification.

set_lateral_motor_magnitudes(): 6 points
(6) Fully meets the given specification.
(3) Fails to meet one aspect of the specification.
(0) Does not meet the given specification.

main(): 6 points
(6) Fully meets the given specification.
(3) Fails to meet one aspect of the specification.
(0) Does not meet the given specification.
Demonstration: 30 points

Switch: 10 points
(10) Switch determines test type.
(0) Switch does not function properly.

Middle fan test: 10 points
(10) Middle fan test works properly.
(5) Middle fan test has one problem.
(0) Middle fan test does not function properly.

Lateral fan test: 10 points
(10) Lateral fan test works properly.
(5) Lateral fan test has one problem.
(0) Lateral fan test does not function properly.

Documentation: 35 points

Project documentation: 5 points
(5) All required project-level information is given at the top of the C 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 and other effects (where appropriate).
(10) One function is not documented properly.
(5) Two functions are not documented properly.
(0) Three or more functions are not documented properly.

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.