

Final Project Checkoff Sheet

Section: _____

Partner 1: _____

Side: _____

Partner 2: _____

Seat: _____

Full Project Functionality and Demonstration

- Successful: Project works as intended. 100 % credit awarded.
- Unsuccessful: Project does not work as intended. Use next section.

Building Block Functionality and Demonstration¹

Block Description: _____

Checkoff: _____

Comments:

Block Description: _____

Checkoff: _____

Comments:

Block Description: _____

Checkoff: _____

Comments:

Block Description: _____

Checkoff: _____

Comments:

Total Score: _____

¹If more space is needed, attach a second checkoff sheet.

There are two options to performing the final project demonstration:

1. **Full Project Functionality and Demonstration:** Show that the project works correctly as a whole. This checkoff is graded as either a **Successful** or **Unsuccessful** test. If a **Successful** mark is awarded for this demonstration, full credit for the final project checkoff is awarded. If the full demonstration is deemed **Unsuccessful**, then the next option is required.
2. **Building Block Functionality and Demonstration:** Show that the underlying pieces of the project work as individual components without full-project operation or demonstration required. Each building block is graded as an independent unit, regardless of other block operation. Students should be prepared to isolate each block (e.g., operate PWM module by itself, print values, view outputs, etc.) and discuss the implementation. The rubric for each block is as follows:

<u>Mark</u>	<u>Credit</u>	<u>Description</u>
✓+	100 %	Block works as expected. Students can clearly state the requirements and show that the functionality meets said requirements. OR... Block does not work as expected. Students can clearly state the requirements and identify the deficiencies in the implementation. Students are expected to be able to describe and/or show alternative trials that also failed and indicate the limitations on the block that will prevent it from being successful.
✓	80 %	Block does not work as expected. Students cannot clearly state requirements or identify why the block does not work. Effort is obvious and some debugging of the block is evident.
✓	50 %	Block does not work as expected. Students cannot clearly state requirements or identify why the block does not work. Reasonable effort is not obvious and little debugging is evident.
<i>F</i>	0 %	Block does not work as expected. Support for building block is less than 50 % implemented.

The final score for this section of the checkoff is the average of all block checkoffs.