### CSE 474 Lab 4 Grading Rubric Spring 2022

Point value for each grading factor below will be graded based on both the report and the demo.

| **Factor** | **Poor** | **Fair** | **Excellent** | **Max Pts.** |
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| **Factor I:** RTOS | Irregular Flashing, glitchy audio, display, functions, no FFT data  0-10 | Incomplete functionality e.g. inoperable FFT task.  10-20 | All functions working with full RTOS integration  20-30 | 30 |
| **Factor II:** Project Technical Merit | Fails 3 or more criteria  0-15 | Fails 1-2 criteria  15-22 | Fully meets all 6 criteria  23-30 | 30 |
| **Factor III:** Project Creativity | Minimally implements an example project.  0-2 | Adds 1 or more features to an example project  3-5 | A new idea.  6-10 | 10 |
| **Factor IV:** Project Solves a Problem | Implements devices without a defined purpose or problem.  0-2 | User problem solution is impractical but makes some sense.  3-5 | “I want one!”,   “I need this.”  6-10 | 10 |
| **Factor V:**  Project Challenge Level | Easy. Similar to an earlier lab.  0 | Adds at least one technical challenge beyond Labs 1-3  1-5 | Ambitious project.  Adds a challenging new peripheral (i.e. TCP/IP, UART, etc). Really pushes the ATMega2560 to the max.  5-10 | 10 |
| Professional Communications and documentation. | Sloppy, missing, or fails to address required parts or demos. Bad or absent commenting.  0 | Basic points are present, but poor conventions, bad grammar, poor organization, little or no Doxygen use.  0-7 | Clear, complete, and well organized report. Rich use of Doxygen tags and explanations  7-10 | 10 |
|  |  |  | TOTAL: | 100 |