**Open Lab EIGHT** Evaluation RUBRIC

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|  | **Description** | **Points** |
| **Program Development** | If program has compilation error. | -50 |
|  | If program terminates with run time error. | -50 |
| **Documentation** | Main Comment Block contains: (due date (1), author name(1), course-section #(1), and program description (2)). | 5 |
|  | Comments have been added to each group of logically related statements   * above each decision statement (if, if/else) * above each loop statement * above one or more sequence statements that together accomplish a cohesive task * **above each function definition (3 pts)** | 8 |
| **Style** | Variable:   * Meaningful variable names are used unless specified by the program description * Variable naming convention is followed * No global variable is used | 2 |
|  | Indentation and white spaces are used to make the program easier to read.   * All the decision statements are indented properly. * All the repetition statements (loops) are indented properly * Blank lines are used in front of each block of logically related statements | 5 |
| **Correctness** | Program solves the assigned problem using methods described in program description:   * **Sorted linked list** is used to store the parts * 4 user defined functions are implemented as discussed in the project description * Correct type of parameters and correct function return types are used in each user defined function * Main function logic is implemented correctly where a loop is used to iterate through all the operations in the data file | 30 |
| Program produces the correct output.   * Makefile used for compiling and generating executable file * Table of parts and quantities before the operations * Table of parts and quantities after the operations performed | 50 |
| **TOTAL** |  |  |