PA02 - Grading Rubric and Assessment Form

Student Programmer Code Number: 571402

Student Grader Code Number: 635641

Grading annotation is **required** where lines are provided

Quality building process – must be easy to read and build

5 / 5. Program compiles without warnings or errors; makefile is correctly configured so that typing **`make`** will implement the building process

I typed make and program was built perfectly.

5 / 5. All required code, libraries, etc complete and available

- no more than 2 points credit if unecessary files such as unused library files, program configuration or meta-data files, etc. are included

All files were necessary. Instructions followed perfectly.

34 / 35. Program source code is easily readable and understandable

≤ 5 pts. Difficult or impossible to read or understand, poor indenting and program structure
≤ 15 pts. Some parts difficult to read or have poor structure, but some program parts are clear
≤ 25 pts. Some parts difficult to read or have poor structure, but overall program process is clear
≤ 35 pts. Program is written and structured clearly, all parts are quickly and easily undersood

Everything was very good but a lot parameters were being passed and that made it difficult to keep up with what is what. And just as a suggestion, instead of making everything in a huge if statement, check your... (back)

Quality program development – specified items must be easy to identify and understand (no credit if unique threads are not used for each I/O operation)

5 / 5. Program and code are structured well; functions are appropriately used to support program modularity

Functions could have been slightly more modular but overall everything was good.

5 / 5. Program responds elegantly and appropriately to configuration and meta-data input file failures, such as corrupted or missing files

All situations were covered!

Correct program code/operation - items must be clearly found in code prior to running program (no credit if unique threads are not used for each I/O operation)

5 / 5. Correct and appropriate thread calls and management

I/O function created a thread every time an I/O operation was found in the metadata.

5 / 5. Correct and complete management of all input data (e.g., configuration, meta-data files)

All input data was used correctly.

5 / 5. Correct and appropriate use of system clock to report OS simulation times; each operational time (e.g., processing, I/O, etc.) is reasonably close relative to the given cycle time and msec per cycle data

Gettime of day was used. Overall time was added correctly.

5 / 5. Program runs correctly with 5 grader-provided meta-data sets (1 pt each)

- **no credit here** if program does not run (e.g., won't run on ECC/Linux computers, **`make`** file failure, code or code support files missing, etc)

Everything ran as expected. Great Job!

74 **/ 75. Assignment Subtotal** ☐ **C language was used exclusively**

Instructor grading area below. No student writing under this area

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_____ / 75. Assignment Subtotal, less late submission reduction if appropriate

_____ / 5. Extra Credit for using C language exclusively

_____ / 25. Grader Score

_____ / 100. Total PA Grade