

Marking Scheme for CIS415, ExtraCredit Project

Your submission will be marked on a 100 point scale. I place substantial emphasis upon **WORKING** submissions, and you will note that a large fraction of the points are reserved for this aspect. It is to your advantage to ensure that whatever you submit compiles and runs correctly. The information returned to you will indicate the number of points awarded for the submission.

You must be sure that your code works correctly on the VirtualBox Linux VM, regardless of which platform you use for development and testing. Leave enough time in your development to fully test on the VM before submission.

The marking scheme is as follows:

Points	Description
10	Your report – honestly describes the state of your submission
90	<u>fileCrawler (+ other classes, if provided)</u> 36 for workable solution (looks like it should work) 4 correct argument processing 2 correct processing of CRAWLER_THREADS 2 for successful compilation 2 for successful compilation with no warnings 4 reasonable, concurrency-safe class used for Work Queue 4 reasonable, concurrency-safe class used for Another Structure 5 efficient mechanism for determination when no more directories 5 efficient mechanism for determination when worker thread has finished 4 if it works correctly with the files in the test folder 4 if it works correctly with the files in an unseen folder of files 9 runtime performance with 1 worker on test folder is similar to single threaded implementation 9 runtime performance on test folder first improves, then degrades as number of threads is increased

Several things should be noted about the marking scheme:

- Your report needs to be honest. Stating to me that everything works and then finding that it won't even compile offends me. The 10 points associated with the report are probably the easiest 10 points you will ever earn as long as you are honest.
- If your solution does not look workable, then the points associated with successful compilation and lack of compilation errors are **not** available to you.
- The points associated with “workable solution” are the maximum number of points that can be awarded. If I deem that only part of the solution looks workable, then you will be awarded a portion of the points in that category.