

Homework #5

Assigned: April 2

Due: April 23

Part 1.

Download a trial version of the Resource Standard Metrics tool located at:

<http://msquaredtechnologies.com/m2rsm/>

Demonstrate the use of the tool on one of your own Java programs or a Java program you download from the web by generating a report that includes complexity metrics and one additional (non-default) metric that is appropriate for the code you are analyzing. Mention what additional metric(s) you chose. **Provide an interpretation of what the metrics indicate in terms of the quality/design of your program.** Submit a copy of your source code* as well as the metric reports produced by the tool.

*If the source code is long, submit a 250 line excerpt from an interesting section (e.g., not just function definitions or preprocessor directives) instead.

Part 2. (1 page)

Perform a literature review identifying a published paper discussing a proposed software architecture quality metric. For the paper selected:

1. Describe the proposed software architecture metric. How does it relate to the RSM tool metrics?
2. Present your personal opinions of the metric.
3. Comment on how the metric was validated.

Please submit both parts of this assignment as a single document.

In CSE 566, all work must be done individually unless otherwise instructed and must be original. Papers must be written in your own words (no cutting and pasting). References to all work must be cited where used in the paper and included in a bibliography at the end of the paper. Papers will be checked with anti-plagiarism software.