

AJJSME

Advanced Java JavaScript Metrics Extractor

Second project interim report

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1 What we have done

In this deliverable we've implemented more methods to extract metrics and now we have 8 metrics that characterize code written in JavaScript.

We've made **AdvancedJavaMetrics.jar** file to run the parser without any redundant movements. Our metrics parser reads ***.js** files available in particular directory and outputs metrics in **metrics.csv** file.

File **metrics.csv** contains metrics represented as columns and ***.js** files represented as rows. At the intersection of the file and the metric there is counted value for it.

2 Metrics

Some of the metrics calculated recursively because of the nested functions.

1. linesOfCode
2. numberOfComments
3. numberOfGlobalVars
counts number of global variables
4. numberOfVars
counts number of all variables
5. numberOfFunctions
6. averageFunctionSize
7. numberOfLoops
counts *for*, *foreach*, *while*, *do..while* statements
8. numberOfConditions
counts *if-else* statements

[Link: archive with metrics pareser](#)

In zip-archive, we provide metrics extractor **AdvancedJavaMetrics.jar** and folder **js** with some examples of JS files to test our metrics extractor with.

To run AdvancedJavaMetrics.jar, type in your console

```
java -jar AdvancedJavaMetrics.jar "/path/to/folder/with/sources"
```

3 Github

[Link: https://github.com/Alcovaria/AdvancedJavaMetrics](https://github.com/Alcovaria/AdvancedJavaMetrics)