

Implementation of a Structural Complexity Metrics Tool for Sassy Cascading Style Sheets (SCMT-SCSS)

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Abstract:

The development of metrics tool is a basic requirement for the defined software metrics to be acceptable in the software industry. There are several metrics proposed over the years without tool support and this trend cannot be tolerated. Therefore, a metrics tool to automate the collection and analyse the defined Sassy CSS (SCSS) metrics has been developed and is herein referred as Structural Complexity Metrics Tool for Sassy Cascading Style Sheets (SCMT-SCSS). The tool was validated by using 4 SCSS files, and a convenient sample of 21 students who were trained in SCSS language. The results indicate that the tool computes metrics in a much less time than manual computation. The subjects rated the tool as very suitable for the tasks assigned, very accurate in computations of metrics values and very operable.

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