

Implementation of Object Oriented Metric(CK-Metric) Tool for Java Program

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Abstract

Software Metrics provides a way to measure the properties of a software system. Design Metrics are measurements of the static state of the project's design and also used for assessing the size and in some cases the quality and complexity of software. Assessing the Object Oriented Design (OOD) metrics is to predict potentially fault-prone classes and components in advance as quality indicators. To perform the assessment accurately, a sequential life cycle model and a well-known CK(Chidamber and Kemerer) Metric method for java programming language is used. Design metrics helps to identify potential problems in the early stages of the development process. This paper presents the design and implementation of quality metrics tool to determine the various design metrics and the quality attributes of Object Oriented program written in Java programming language.