Complexity Identification of Inheritance and Interface based on Cohesion and Coupling Metrics to Increase Reusability

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Abstract

Measurement is an essential component of software engineering the aim of this paper to identify and analyze complexity of object oriented programming. In this we have applied Cohesion and Coupling metrics on programs of inheritance and interface and evaluate the metrics values. The cohesion and Coupling metrics presented identifies complexity between inheritance and interface programming. In this paper we want to show which concept is good to use and beneficial for software developer. This paper focuseson an empirical evaluation of object oriented metrics in C#. The resulting valueshave been analyzed to provide significant insight about theobject oriented characteristics of reusability programs.

References

- Ding, W. and Marchionini, G. 1997 A Study on Video Browsing Strategies. Technical

- Tavel, P. 2007 Modeling and Simulation Design. AK Peters Ltd.


Index Terms

Computer Science        Software Engineering

Keywords

Object Oriented Metrics  C#  Cohesion  Coupling  Inheritance  Interface