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Application of OO metrics to estimate .NET project software size*

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Abstract

One of the key questions in software development is software size estimation. For systematic software size estimation, different methods are used, all of which have their roots in the Function Point Analysis (FPA) method. However, the elements and constructs of the FPA method are not directly applicable to object-oriented concepts: a mapping of object-oriented concepts to FPA elements is required. In this article we introduce various mappings implemented in the .NET environment, and some source code based complexity metrics as candidates to validate the mappings.

Keywords: Function point metrics, Complexity metrics, .NET

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