عنوان مقاله:

Improving Software Quality by Pattern Driven Software Architecture

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خلاصه مقاله:

This paper discusses about improving quality of software by taking into account non-functional requirements. Here, we present a Pattern Driven Software Architecture method which uses architectural patterns. The relationship and semantic of patterns are represented by Feature Model and Role-Based Modeling Language. Using a recursive decomposition process, at each stage in the decomposition, patterns are chosen to satisfy a set of quality scenarios and then functionality is allocated to instantiate the component and connector types provided by the patterns

کلمات کلیدی:

Architecture, Quality, Functional, Non-Functional, Requirement