

Validating Requirements Specification Using Surveys

Summary

This thesis explores a new method for validating large requirements specifications using a novel method. In this method, stakeholders are surveyed on their interpretation of requirements from the specification, and the agreement of their interpretation with the intended meaning is taken as a quality measure. This thesis more formally defines the method, applies it to three large requirements specification at Siemens, and evaluates it.

Work Results

- Literature review
 - Problems, solutions, and quality criteria in requirements specifications
 - Related work on methods for quality assurance in requirements engineering
- Research approach
 - Definition of research question i.e. assessment of method
 - Definition of quality assessment method
- Research execution
 - Choice of appropriate research method
 - Application of method to three cases at Siemens
 - Evaluation of method using example applications

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