

Improving Domain Modeling and Requirements Analysis using Grounded Theory

Summary

Industry consultants interview their clients to understand their project requirements. These interviews and related materials are used to not only determine project requirements but also to construct object-oriented analysis models, also called domain models. The author of this thesis will follow industry consultants in one project. He will analyse the materials using a grounded theory approach and come with a domain model and a requirements document, to be compared with the output of the consultants.

Work Results

- Literature review
 - Requirements analysis and domain modeling in computer science
 - Qualitative data analysis in the social sciences, in particular interview analysis
- Research approach and execution
 - Action research, following industry consultants to clients
 - Qualitative data analysis to create domain model and requirements document
 - Comparison of the student results with what professional consultants came up with
- (Research) results
 - The actual domain model and requirements document
 - An evaluation of whether QDA can help requirements analysis and domain modeling
 - Suggestions for improving domain modeling using interview analysis

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