

# An REA-based DSL for Sweble

## Summary

This master thesis designs and implements a domain-specific language (DSL) using the established REA framework of economic accounting. The DSL is implemented on top of Sweble using a to-be-defined technology. Sweble is wiki-like domain-expert programming system that serves as a host to different DSLs, providing them with an object model, transactions, and persistence.

## Work Results

- Literature review
  - REA definition, examples
  - DSLs, domain-expert (end-user) programming
- Research approach and execution
  - Selection of key examples to be able to express
  - Definition of requirements for a DSL to be able to express examples
  - Choice of language implementation (from hand-coded to embedding in host language)
- Research evaluation and results
  - Presentation and review how the language expresses the examples
  - Demonstration of capabilities

## Supervisor

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