Bimloq

The main aim of Business Models Optimization for Quality (BIMLOQ) is to build a declarative model for business processes, including business rules specification, with an emphasis on analysis and optimization of those processes.

Description

Motivation

- **Semantic:** lack of a common ontology, lack of unified semantics, difficult unambiguous logical representation.
- **Functional:** aims and tasks in the business logic layer cannot be mapped to logical quality assessment methods.
- **Technical:** technologies used in the visual design layer are incompatible with the declarative logical representation.

Problem statement

Expected benefits

- Real-time quality assessment during development.
- Maintainability assurance.
- Formal analysis of business software quality.
- High adaptability in dynamic environments.

Intended results

- **Conceptual:** declarative model for logical business process representation and analysis.
- **Practical:**
  - new tools for analysis and optimisation of specification quality,
  - integration of visual BPMN tools and logical knowledge processing.
- **Evaluative:** modeling and analysis of real-life application use cases.

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