Deriving Behavior of Multi-User Processes From Interactive Requirements Validation

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Motivation

- Requirements of software systems supporting multi-user business process are hard to elicit
- Many different partial perspectives
- No holistic picture
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- Formal models support the management of requirements
- Stakeholders are usually not able to understand formally captured requirements
- Inhibits them from providing feedback
Approach

- Creating intuitive interpretation of the formal models
- Simulation and visualization for stakeholders
Approach

Simulator

Formal Models

Domain Specific Interactive GUI

Stakeholder

Play-Out

Play-In
Approach

Simulator

Formal Models

Domain Specific Interactive GUI

Play-In

Play-Out

Stakeholder

Proposal

artifactPool

proposal1

:Proposal

customer1

:Customer

assistant1

:Assistant

email1:

Email

sender

receiver

attachments

artifactPool

proposal1

:Proposal

customer1

:Customer

assistant1

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Future Work

- Lead the user to identified inconsistencies
- Abstraction from Natural Language Communication towards Facts
- GMF Editors suitable for stakeholders
- Improvement of algorithms