



Technische Universität München
Fakultät für Informatik

Tutorial 11: Wrap-Up

This exercise sheet covers the contents of **all lectures**.

Exercise 1 Relationship between RE and Change Requests

(Discussion)

Consider the following statement:

*The number of change requests received during a project shows the quality of the requirements engineering activities.
(the more change requests occur, the worse the requirements engineering was)*

Do you agree with the statement or do you think it is false? Support your opinion by formulating three arguments, including an example, that either refute or support the thesis.

Exercise 2 Overview

(Understanding)

Create an overview (mind map, drawing) and include the following terms in a way that seems sensible to you. Use arrows to mark where insights from specific activities or artifacts are reused.

List of terms:

- | | | |
|---|------------------------|-------------------------------|
| • Problem | • Analysis | • verifiability |
| • Solution | • Specification | • GQM |
| • Implementation and testing of the system | • Validation | • Non-functional requirements |
| • Artifact-orientation | • Verification | • Formal formulation |
| • Activity-orientation | • Stakeholder | • Empirical formulation |
| • AMDiRE | • User-Centered Design | • Use-Case Template |
| • Context Layer, Requirements Layer, System Layer | • Personas | • Tracking / Tracing |
| • Core Activities | • Goal modelling | • Change |
| • Elicitation | • function hierarchy | • Change Management |
| | • Goal conflicts | • Requirements Management |
| | • Smells | • Quality |

Exercise 3 Example Exam Questions

(Exam)

The following questions are comparable to questions possibly asked during the exam.

1. Discuss the following hypothesis:

The goal of requirements engineering should always be to specify business processes using executable languages (e.g. BPEL). These allow their immediate execution by means of workflow engines. Do you agree or disagree? Which problems might occur?

2. In the context of a web store selling shoes, perform a goal refinement and goal abstraction for the goals usability and security.

Where can you identify possible conflicts between those goals or their subgoals? Resolve the identified conflicts!

3. Which are problematic aspects of the following user story? Provide a refined version and explain how the identified flaws have been improved.

'As a user, I want to edit my credit card details so that I can add a second card'

4. Name three advantages of using goal models (given a specific project context)!

After completing all self-study exercises, create a list of all exercises ranked by their priority for the exam. Compare your list with the list of priorities provided in Moodle.