

# Hotel-project

## Week 4: Half-time review

This weeks' topics are: *Iteration* and *evaluation*

### 1 Instructions

As part of this week's assignment, you will review the report of another group. The target group will be assigned by your supervisor. Use the statements and questions below as a guidance. For each statement, list the entities (requirement, use-case, action step etc.) which don't fulfill it, together with a short motivation of why. Questions should be answered together with a motivation.

The statements and questions are divided into seven sections. We suggest that you divide your comments into sub-groups, one for each section.

When you have finished your review you should send one copy to the authors and one to your supervisor.

IMPORTANT: Be constructive! If you think something is not good, elaborate why and give suggestions how to improve it.

### 2 Comments on content

Don't hesitate to point out things that are inconsistent or strange to you. Motivate your comments and be constructive, you should be as precise and constructive in your review as you want to be reviewed yourself.

#### 2.1 Requirements

D = the description of the future system in the reviewed report  
FR = functional requirements  
NFR = non-functional requirements

1. The specified FR are motivated in D or elsewhere in the pre-study.
2. The specified NFR are motivated in D or elsewhere in the pre-study.
3. The FR are easily testable in the final system, e.g. are precise enough.

4. All FR necessary for a functional booking system are present.
5. All requirements that are necessary according to D are present.
6. All requirements have a responsible.
7. General: The requirements capture in a good way what is expected from the system.

## 2.2 Domain model

1. Which concepts should not belong to the domain model (e.g. software artifacts)?
2. For the given problem domain, which concepts do you consider unnecessary (outside the problem domain, better represented as attributes or associations, etc.)?
3. For the given problem domain, which concepts do you consider missing?
4. Which attributes, associations and role names are missing?
5. Which multiplicities are not appropriate (don't depict domain faithfully)?
6. In what ways is the domain model more restricted than reality?
7. The meaning of the concepts, attributes and associations of the model is clear (e.g. considering their name or additional explanations).
8. The language of the domain model is used in the use-cases.
9. General: The domain model is a good representation of the problem domain.

## 2.3 Vocabulary

1. The vocabulary facilitates the reading of the report.  
Key words used within the requirements and the domain model should be described. However, it is not a good idea to have words in the vocabulary if they do not have a specific meaning in the description of the system.

## **2.4 Use-cases**

1. All FR are covered by a use-case. If not, is there a description or motivation of which ones were excluded?
2. Looking at the use cases, what FR should be added? (In other words, do the use cases describe functionality beyond the requirements of the pre-study?)
3. The use-cases have clear goals.
4. The use-cases have informative names.
5. For each complete use-case, the goal is fulfilled by the main flow.
6. All action steps are written correctly (e.g. according to the action block approach).
7. All action steps are reasonable for an essential use case (e.g. no communication between actors, no user-interface described, 'right' abstraction level).
8. What important action steps are missing?
9. What important alternative flows are missing?
10. The language of the domain model is used in the use-cases.
11. What use-cases do you not consider appropriate (too short, too small goal, etc.)?
12. General: No important brief use cases are missing.

## **2.5 Business rules**

1. Do the business rules provide any new information or limits to the domain model that is not already given?
2. Is the context of the business rules given?
3. Can the business rules be removed by changing the domain model?

## **3 Required report contents so far**

- Textual description of the system.
- List of requirements with responsibilities and motivation.
- Domain model with concepts, attributes, associations, multiplicities and roles.

- Motivations for the requirements and the domain model requirements (Mind-maps, interviews etc).
- Vocabulary.
- Use-case diagram (use-cases and actors).
- Brief descriptions of all use-cases with priorities.
- Business rules.
- At least five complete use-cases.
- A list of system operations.
- An activity diagram and a textual description of the booking use case.