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 for guidance. For each statement, list the entities (requirement, use case, action step etc.) which don't fulfill it, together with a short justification of why. Questions should be answered together with a justification.

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, 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

Do point out things that seem inconsistent our strange to you. Justify your comments and be constructive, please write 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. Are there any concepts that should not be in the domain model, for example software artifacts?

2. For the given problem domain, are there concepts you consider unnecessary (outside the problem domain, better represented as attributes or associations, etc.)?

3. For the given problem domain, are there concepts you consider missing?

4. Are there attributes, associations and role names missing?

5. Are there inappropriate multiplicities (not faithfully depicting the domain)?

6. In what ways is the domain model more restricted than reality?

7. Is the meaning of the concepts, attributes and associations of the model is clear (e.g. considering their name or additional explanations)?

8. Is the vocabulary of the domain model used in the use cases?

9. General: Is the domain model 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 a bad 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, should any FR 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. Are any important action steps missing?

9. Are any important alternative flows missing?

10. The language of the domain model is used in the use cases.

11. Are there any use cases you consider inappropriate (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 not already given, to the domain model?

2. Is the context of the business rules given?

3. Can the business rules be removed by changing the domain model?

3 Hitherto expected report contents

- Textual description of the system.

- List of requirements, with justification and responsibles.

- Domain model with concepts, attributes, associations, multiplicities and roles.

- Background for the requirements and the domain model (Mind-maps, interviews etc).

- Vocabulary.

- Use case diagram (use cases and actors).

- Brief descriptions of all use cases.

- Prioritization between use cases.

- 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.