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Hotel-project
Individual Assignment

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Assignment

The individual assignment is aimed at letting you reflect on your software models, role, and responsibility, in the group project throughout the complete project lifecycle. You can use your individual report to strengthen your position for the final presentation, and therefore influence your individual grade.

While one of the intents of this report is to give us a better understanding of your contribution to the group's success (or failure), we would like to highlight the importance of the report contents to your own learning, and to the project outcome: In real-life software projects, many problems are caused by unclear responsibilities. Tasks, requirements, features and so on are forgotten or not maintained when no one feels responsible for them. Additionally, in case of problems, such as bugs being found, there is no one to discuss the matter with.

A typical case is that an engineer, who used to maintain a certain feature, leaves the company. If they do not hand over their responsibility, the feature will most likely be forgotten. In the worst case, this is only discovered once the product is already on the market.

In this report we also want to see if you can:

- Critically assess the quality of software models.

- Judge how well software models relate to their real-life counterparts.

- Identify which software models are appropriate for modeling a system.

Responsibility

In the first project assignment, the group elicits requirements, and assigns a responsible to each of them. In the following weeks, model creation, system design, and implementation continues, based on these requirements. Your responsibility is to make sure your assigned requirements are not forgotten! Also, it is your task to oversee that they are designed and implemented in a good way. While being responsible for a requirement does not imply that

you have to do all the work on it yourself, you are ultimately responsible for the outcome.

Naturally, you won't have time to implement everything you have come up with in the first week. This is fine. Make sure, however, that exclusion of requirements/functionality is based on discussion. Are things out of scope? Are they too complicated? Do they not clearly fit into the subset of requirements that forms the core of the project? Do not simply drop requirements without asking yourselves these questions and discussing them within the group!

Report

Reflect on your responsibility, using these questions as a guideline:

- Which part of the system (requirements, use cases, etc.) were you responsible for?

- What actions did you take?

- Which of your requirements were ultimately implemented?

- When and why did you exclude the other requirements?

- Which conflicts arose within the group? For example, which compromises did you make?

Models

In addition to reflecting on your responsibility, we also want you to reflect on software models.

Pick two models you have been heavily involved in creating – clearly state where in the project report they can be found – and answer these questions:

- What strengths and potential weaknesses do these models have?

- How did you evaluate that the model represents domain knowledge? — Question mainly applicable for domain model, use cases, and activity diagram.

- How well do these models contribute to the system? — Question mainly applicable for component diagram, class diagram, sequence diagrams, and state machines.

Pick any model from the project (can be one of the above models); again clearly state its location in the project report. You do not need to have been particularly involved in work on this model. Reflect on how this software model can be improved.

You should also reflect on which of the software models, used in the project, that from your point of view were appropriate for modeling the hotel system. Finally, where there some software models you did not find useful, and if so, why?

Deadline

The deadline for handing in your individual report is the same as for the project report: at the supervision meeting in study week 7, 2015. The report shall be 3 - 5 pages long. Make sure that, based on this report, we get an impression of your individual contribution.

Note

This report will be one means to discuss your individual grade with us during the final presentation in the examination week. Thus, you should put effort into making your contribution clear. It is not 'bad' in itself, if none of your requirements were implemented in the final system. However, it is crucial that you show the rationale for the exclusion, and the discussion behind it.

Checklist

- Discussion of your responsibility within the project.

- Discussion of two of the models you been heavily involved in creating.

- Discussion of how one of the project models could be improved.

- Discussion of the suitability of the model types used.