

Distributed and Outsourced Software Engineering

Assignment 2: Requirements Consolidation

*Deadline for task 1.1: **October 23th - 5 pm** (Zurich time)*

*General deadline: **October 27th - 5 pm** (Zurich time)*

Commit the files in the repository at

https://github.com/DOSE-ETH/dose2013/tree/master/req_consolidated/group_n

(where the n in group_n is your group number)

0. Group communications

Your team has been assigned to teams from other universities by now. Together with these other teams you are now a **group**. For now, a group consists of one requirement team and three development teams. Check the Github wiki to find out which other teams are in your group and what your **group number**¹ is:

<https://github.com/DOSE-ETH/dose2013/wiki/Groups>

The Wiki contains the contact information of all your group members. Furthermore, your group has a group-wide email-list that contains all group members. You can write to that list by using the following recipient:

se-dose-groupN@lists.inf.ethz.ch (with N in 1 ... 12)

To start working with your group, the teams and individual students should introduce each other. We recommend that you schedule a video-conference where every group member participates.

Note: students from ITU, Denmark, are on vacation until the 20th of October. Thus, they might not be reachable before the 21st.

¹ Remember to provide your team number and group number with every email you send to the lectures or other participants of the course.

1 Requirements Consolidation

The student teams from the universities in Australia and Brazil have prepared requirement documents (SRS) for a number of board- and card-games. Developer teams have been associated to one of these requirement teams. In this task, your development teams must work together with the requirements team to consolidate the requirements. The final requirements document will be the basis for the future implementation of the game.

The main goal of this assignment is to agree on the requirements that will be implemented, i.e. to negotiate the requirements to be included and excluded, and to make sure that the SRS document is of good quality.

1.1 Task: Review (to be done individually by each student)

Each member in your group (that includes the students in Brazil and Australia) has to review the SRS document, as it is currently available in the repository. During this review, you have to assess the quality of the document, and fill-in an online questionnaire about it. Take a look to the on-line questionnaire before starting the review. This will help you becoming familiar with the main criteria that you should evaluate:

<http://tinyurl.com/dose2013-assignment2>

***Deadline: all students must fill in the questionnaire by
October 23th - 5 pm (Zurich time)***

You can find the current SRS documents in the repository:

<https://github.com/DOSE-ETH/dose2013/tree/master/requirements>

1.2 Task: Consolidation (to be done by the whole group)

The goal of the consolidation phase is to agree on the requirements to be implemented. Some requirements might be missing, and your group would need to add them. Some requirements might be impossible to implement and your group has to discuss those and probably reject them. Some requirements might need improvement or clarification. All modifications, additions and removals of requirements need to be discussed and agreed upon with the requirements team.

At the end of the consolidation phase, the group has to commit a new requirements document (following the requirements template, which was used in the original requirements document) containing all the consolidated requirements and, furthermore, an appendix with:

Subsection 1.1: Removed requirements – This section lists (using the requirements IDs) all the requirements that were removed, and gives a short justification why they were removed.

Subsection 1.2: Modified requirements – This section lists (using the requirements IDs) all the requirements that were modified.

Subsection 1.3: New requirements – This section lists (using the requirements IDs) all the new requirements.

These subsections must show the changes to the requirements; however, your group should keep this section simple and as short as possible.

Once a final version of the requirements document has been derived, your group must commit it to the repository at:

https://github.com/DOSE-ETH/dose2013/tree/master/req_consolidated/group_n

(where the n in group_n is your group number)

***Deadline: the consolidated SRS must be in the repository by
October 27th - 5 pm (Zurich time)***

1.3 Selecting a game component

The following task is only relevant for the development teams. Each game has four main components:

- Logic
- GUI
- Artificial Intelligence
- Network

All groups must decide which development team will implement which component(s). We propose that one team takes care of “Artificial Intelligence” + “Network” and the other two teams pick the other components accordingly. However, the final setup is up to your group and should be a group decision that is acceptable for all teams involved.

Once you have decided which team develops which component, you should update the “Overview” table in the Github wiki accordingly:

<https://github.com/DOSE-ETH/dose2013/wiki/Groups#wiki-Overview>

Deadline: October 27th - 5 pm (Zurich time)