

Written assignments 2+3:

Work on a particular software architecture

1 Introductory remarks

This note continues the note from 9-mar-2009 that explained purpose and kind of topics for the two last assignments. Below we describe in detail the two written assignments. We will split it into two assignments in order to avoid a peak of work pressure at the very end of the course. So it is fully understandable if written assignment 2 (the first one explained below) appears to have a few loose ends.

2 Written assignment no. 2, deadline March 31

This is the main reporting of your assignment. Explain in a short report the following such that it can be understood by an external examiner, who should get a good overview of what you are doing.

- An introduction that gives an overview of the report.
- Which task is your robot is doing?
- What are the interesting issues concerned seen from a software architecture view?
- The overall structure of your implementation
- Summarize, what is working, what is missing to be implemented (and designed in detail); which especially interesting issues have you experienced so far.
- What are your plans for the remaining part of the course?

Aim at a report of 5–10 pages, but if you use many pictures and include program listings you may perhaps need a few pages more. Full program listing is not required, but if there are especially interesting pieces of code, you may include them.

3 Written assignment no. 3, deadline April 22

Write a short report that explains what you have added since you gave in Written Assignment 2; you can consider it as a continuation the previous report, i.e., the report for assignment 3 cannot necessarily be read in isolation.

Aim at a report of 3–7 pages.

4 Formal requirements

These assignments are, together with the first assignment you have given in already, also part of your preparation for the exam. At the exam, you will be asked to explain

one or more of your written assignments. Notice, however, the exam is oral so the assignments themselves are in principle not assessed at the exam, but all experience shows that there is a direct correlation between the quality of a student's oral presentation and the quality of the written assignments.

You are allowed to, and even expected to, work in groups of two or students in producing a solution, but the short report must be written by yourself. Please indicate in the report with whom you have developed solution.

If you use pictures (or citations) borrowed from elsewhere, please make proper reference so that your assignment may possibly be published on the course website.

You need to deliver in **three printed copies** of your assignment in Henning's physical mailbox in 43.2 (next to Heidi's office). Send also a **pdf version** to henning@ruc.dk (avoid compressing the file!). Deadlines given above.