Exercise 1

During the practical session we have started discussing some case, which needs the solution – the introduction of the software system to support the manual activities. However before implementing the solution, one needs to understand, document, the requirements. In addition the case presented and discussion, which was carried during the practical session is also rather vague and not clearly defined.

The goal of exercise 1 is to gather the initial information about the case and problem, identify what and where the solution is needed, identify the scope, the initial requirements and all the possible data/information/knowledge, which potentially be the input for the detailed analysis during other exercises.

Consider the following question groups:

- What is system? Software? Why and how they are useful?
- What is quality?
- What could be problems, solve by developed system? Software?
- Where are the challenges? Opportunities?
- What type of software needs to be developed? Component, control system, information system?

- What resources, time are needed? What products will be developed? What could be risks?
- What is the type of this project? And why?
- What are existing systems?

- What and where is the problem?
- What is the scope?
- What are the subproblems and their potential solutions?

- What could be the initial requirements? Domain properties?
- What validation criteria could be defined? How they will be applied/checked?

- What type of design do you envision in this problem, why?
- Which lifecycle would you suggest to use and why?

Prepare summary of the discussion (report of 3-4 pages). Submit report using the course submission function no later than 20 of September.