

Övning 1: Terminology (Lau:1), Context diagram (Lau:3.2)

1. Give examples of various **project types** (kap 1.2) from your own geographical region. [Lau övn 1.1]
Pricka in företagen Svenska staten, PUSS-projektet (om ni gått kursen), IBM, Volvo Lastvagnar, Ericsson, Softhouse, SAP, Axis Communications, Qlik och några till.
2. Which **project model** should the shipyard have used? Which one did they actually use? [Lau övn 1.7]
Se kap 1.7 och sid 28
3. For your own project, or the case study 16.2 Ticket Machine (sid 543), do the following [Lau övn 1.8],
 - a. Identify the **project type** (in-house, COTS, etc.)
 - b. Suggest a **project model** to use [if not done as specified by the course project assignment].
4. In the hotel system example, is the receptionist part of the product? Is he/she part of the inner domain? Answer the same question for the waiter. Suggest different system limits so that we get another answer. [Lau övn 3.1] *see Fig. 3.2 page 77*
5. For your own project,
 - a. Create an initial version of a **context diagram** and consider the boundaries of your (black box) product. Which users and systems does it interact with, directly and indirectly? Are there any non-obvious actors, e.g. system admin, usage statistics? Who are the stakeholders in the business domain?
 - b. Outline a possible requirement for each of the **four requirements levels** (kap 1.6, goal, domain, etc.)
6. Study the following parts of existing reqts specifications in Chapters 11 and onwards [Lau övn 1.9]:
Midland Hospital (Ch 12):
 - * Section 2.3 Employee data, requirements 5 to 18
 - * Requirement 144, 475, 666, 669Danish Shipyard (Ch 11):
 - * Detailed planning (entire section 5.2.1.2.2)
 - * Objectives (entire section 4.1)Brueel & Kjaer (Ch 14):
 - * Requirement 35
 - * Requirement 36

For each of these specification pieces, answer the following questions (se kap1.3):

- a) Is it a functional requirement?
- b) A non-functional one?
- c) Something to help the reader?
- d) Something about the domain or the product?
- e) A system goal?
- f) An example?
- g) Is it verifiable?

Note: The same piece may be several of these things at the same time

h) Among the Midland Hospital requirements mentioned above there is a “killer requirement”, that is a requirement that looks innocent but could cause disaster for the unwary supplier. Which requirement is it?

Att göra hemma

- For each project type: Who has the IT expertise? Who writes the specification? Who should be blamed if requirements are not met? How easy is it to change the specification? [Lau övn 1.2]
- Assume that the shipyard selected R2 as their requirement to the business system vendor. Who is responsible for R1? Who is responsible for R2? Who is responsible for R3? [Lau övn 1.4]

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