Goal Model

In our eighth lab session, we will reengineer a goal model for the OpenMRS system. In class, we discussed how to develop and document goal models.

The intent for a goal model is to consolidate all the different goals that the earlier identified stakeholders have into one overview. That way they can be discussed and conflicts become visible. Furthermore, trade-offs and cross-relations can be identified, some of which might be useful, while others might impose problems for the system's development, so it's better to know about them early.

We will use the classification of business goals (context of the system, what are you building it for, why will people want to use it), usage goals (what the functionality will be), and system goals (quality or technical aspects). Find a way to connect from the business goals down to the usage goals (derive usage goals from business goals) and then from usage goals to system goals (derive system goals from usage goals).

Make sure your goal model contains at least 7 goals each of business goals, usage goals and system goals and at least 25 goals in total. Put them into a hierarchy with sub-goal relationships. Overall I want to see at least 3-4 levels of subgoals for more than half of the goals and that appropriate notations are used (goal categories, labeled relations for decomposition, supports and conflicts). Also make sure you identify at least one (potential) goal conflict.

Diagrams have to be accompanied by explanatory text. It will not be possible to transport all the information you want in a diagram with only little "bubbles" and arrows, so please write a few paragraphs that help understand how to read and understand your diagram and the goals in there. In that description, also make clear which stakeholder is the issuer of that goal.

Please also provide your description of the rationale for your process, at least two paragraphs of how you did it and what you found difficult or the most challenging aspect of it.

Deliverables: A single pdf file per team should be submitted to via Beachboard in the Dropbox.

Evaluation:

- Is the goal model well structured?
- Does it contain at least 7 business goals, 7 usage goals and 7 system goals, at least 25 in total?
- Are they broken down and refined into sub-goals where possible?
- Is each of these elements related sufficiently to the other goals and are all notations used?
- Are all stakeholders' main concerns represented by goals?
- Is a good accompanying explanation provided for the diagram?
- Is the source for the goal denoted? (meaning, the stakeholder for the goal)
- Is a description provided about the rationale and challenges?

Have a nice evening!