

Team Assignment: “Non-functional” Requirements

In class, we discuss how to develop and document “non-functional” requirements. In this assignment, you have to develop the non-functional requirements for OpenMRS.

For this assignment, you will use your input from the earlier content items (goal model, usage model) including the feedback you received on those.

On that basis, your team develops a small set of non-functional requirements, as described and discussed in the lecture (use the template below). This shall be provided in the form of

- Three process requirements
- Three deployment requirements
- Three system constraints, and
- Six quality requirements (for different quality characteristics).

These requirements shall be linked refinements of your earlier elicited goals, so please name the goals as rationale. Also, they need to be implemented in OpenMRS, not inferred in the sense of “made up” from your own ideas.

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

Type of NFR and quality characteristic	<Quality characteristic / system constraint / development process / deployment requirement>
NFR description	<Description of what the actual requirement is>
Rationale	<Goal the requirement is derived from>
Satisfaction criterion	<Metric that needs to be achieved. When will the stakeholder be satisfied?>
Measurement	<How the metric will be measured/determined. Describe how the test will be conducted on whether this requirement is met by the system. >
Risk	<In case this is requirement was not met – what could happen? >
Compliance in OpenMRS	<Description of why you think this requirement is being fulfilled and reference to artifact that proves this compliance >

Deliverable:

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



Evaluation rubrics:

- The measurement actually tests the quality attribute they are naming.
- The description gives an actual answer to how well the system is doing w.r.t. the specified quality attribute.
- The steps described in the measurement are enough for a tester who wasn't involved in the development to follow along and perform the tests for you. (Remember that in the real world the author of the test specification might not be the one performing the tests.)
- Process requirements: template filled out completely and correctly (as in the criteria above)
- Deployment requirements: template filled out completely and correctly (as in the criteria above)
- System constraints: template filled out completely and correctly (as in the criteria above)
- Quality requirements: template filled out completely and correctly (as in the criteria above)
- Is a description provided about the rationale and challenges?