

Stakeholder Model

In class, we discuss how to identify and analyse stakeholders. They are documented in a stakeholder model comprised of a stakeholder diagram and a stakeholder matrix.

For this assignment, you will need to analyse the stakeholders for the OpenMRS system. Please follow the guidance from the slides and literature to elaborate a model with all relevant stakeholders. It should be easy to identify at least 30 stakeholders and develop a hierarchy of at least three levels (as an hierarchical diagram). Finally make a stakeholder matrix (or individual tabular representations per stakeholder) where you denote their role, functions, motivation, main concern, availability, and relations to other stakeholders. The matrix may be split up into various tables, depending on what works best to represent the information you have collected.

Consider the various domains stakeholders could be included from and what types of information you would need to make as good and as complete a requirements specification as you can. Everybody who can provide you with knowledge beneficial for the system, and therefore your requirements specification, should be represented in your model.

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.

Evaluation criteria:

- Have all major stakeholder groups been considered?
- Is the diagram easy to understand?
- Are there well-organized hierarchies?
- Have they been analyzed and described to an adequate degree of detail?
- Are the relationships between the stakeholders clear?
- Is clear which stakeholder has which role, functions, motivation, main concern, availability, and relations to other stakeholders?
- Is an elicitation technique and sample requirement provided per stakeholder?
- Is an adequate description provided about the rationale and challenges?

Research study

I would like to invite you to participate in a survey I am conducting for research on including open source in software engineering education. As you know, this year, for the first time, I have included assignments that involve open source software development in this class.

For research, I would like to know how much or whether at all you think these improve your understanding of certain software engineering concepts and skills.

To assess that I have set up a questionnaire that lets you agree or disagree with a number of statements on your confidence in certain topics around software engineering.

For example, one statement is "I believe that it is essential to have good documentation for software." and you can agree, partially agree, be neutral, partially disagree, disagree, state it's not applicable or state that you don't know. Just a list of statements like that.



The "beginning of course" survey is here: <https://goo.gl/forms/M0zn6VF15udUA0Vn2> , and then, to be able to compare whether your assessment of some of these statements has changed over the course of the semester, I will invite you to fill that same survey out again at the end of the semester. That way I can compare where you later state your understanding or level of skill differently from the beginning of the semester.

The survey is anonymous. You fill it out online and create an ID with five questions that only you know the answer to, such that I can match the answers from the second survey to the ones from the first survey.

Your participation in this research is completely voluntary. It does not affect your grade in any way and I will not even know who submitted an answer and who didn't.

Preparation for the lab session on Wednesday

I put the current issue of IEEE Software on BeachBoard for you. It is a special issue on the Internet of things.

IEEE Software is a magazine that bridges between research and practice and is a highly relevant publication if you want to stay up to date in software development.

While a great read overall, I want you to read the article on Requirements (p. 82 and following) that we will discuss on Wednesday in lab.

Have a nice evening!