

Requirements Engineering II – Assignment 3

Requirements Engineering in Social Networks

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Relation to the session's topic

- Social networks: Do they offer an additional platform for finding requirements?
- How useful are the gathered requirements?
- Are social networks applicable in every situation?
- How can these networks be improved?

Central topics

- Types of requirements
- Quantity of requirements
- Quality of requirements
- Evolution of negotiations and discussions
- Findings and experiences made with Winbook
- Favorite requirements

Types of requirements – 1

- Different types of requirements gathered
 - Functional requirements (behavioral, user interface, possibilities)
 - Non-functional requirements (quality, data privacy, 'capturing lifestyle')
- Problematic if not sorted
- Sorting itself is ambiguous
 - Sorting depends to some extent on personal view (subjectivity)

Types of requirements – 2

- ☐  **Win Condition (WC_1621):** Medication journal
Would you like the following feature: possibly to add health conditions (illnesses, injuries)
[Disagree](#) · [Comment](#) · [Raise Issue/Concern/Risk](#)
- ☐  **Win Condition (WC_1582):** Sport tips Reminders Sport journal
The app should remind me if I didn't do sports for quite some time
[Disagree](#) · [Comment](#) · [Raise Issue/Concern/Risk](#)
- ☐  **Win Condition (WC_1574):** General evaluation
The system should be able to analyze the lifestyle quotient with minimum inputs from the users.
[Disagree](#) · [Comment](#) · [Raise Issue/Concern/Risk](#)

Quantities of requirements

- Statistics of the project:
 - 16 win conditions
 - 19 issues/concerns/risks
 - 12 options
 - 0 comments (function was not working)
- For this project, this elicitation technique does work.
- However, a big quantity may easily become a problem.

Qualities of requirements – 1

- Most of the requirements are of good quality, that is, understandable, unambiguous and complete.
- Some requirements are not practicable (for example, because of data privacy issues).
- In the latter case, discussions and negotiations about these requirements are needed.

Qualities of requirements – 2



Win Condition (WC_1581): Nutrition tips

The app should suggest me healthy dishes

Disagree · Comment · Raise Issue/Concern/Risk

Arthur Toenz, Karthick, You *agree to this*(Marked for potential agreement by shaper)



Issue (Iss_924):

I do like the idea. However, it is not easy to define _the_ healthy dish for everybody using this mobile app. What about fine-graining this requirement? The user can chose if the app should 'optimize' the dishes regarding the body weight, the blood pressure, or possible allergies.

Comment



Option (Opt_439):

With WC_1622 this issue is solved

Agree · Comment



Issue (Iss_913):

How will the app decide that which dishes are healthy for me? Is the app going to have my health records stored and are these records going to be updated at regular intervals?

Comment · Suggest Option/Alternative(s)



Option (Opt_428):

do see the option I suggested to the iss_893.

Agree · Comment



Issue (Iss_907):

Would you like a feature, which gives you infos to food you gonna eat?

Comment · Suggest Option/Alternative(s)



Option (Opt_429):

do you mean information to the ingredients or to the dishes?

Agree · Comment

Robert Richter *agree to this*



Issue (Iss_893):

What do you mean with "healthy" ? How much healthy should be the dishes ? Should they be poor in calories or just well-balanced in terms of fruits/vegetables/meat/whatever ?

Comment



Option (Opt_427):

maybe when you register, you can enter your body weight, length, health problems, how often do you do usually sports and what kind of etc... and based on the lifestyle and health condition, it would suggest optimally healthy food for the user?

Agree · Comment

Jeton Memeti *agree to this*

Evolverement of discussions

- Stakeholders converge normally in a short amount of time.
- Some requirements may lead to more fundamental questions. For example, what is a healthy dish?
- In our project, most of the requirements are complete, unambiguous and understandable.
- Only a few requirements led to discussions and negotiations.

Findings and experiences – 1

- Unfortunately, the comment function was not working.
- The tool looks very similarly to Facebook. Is this really necessary?
- Direct communication (for example, chat or messages) are not possible.
- Some buttons (for example, “Edit my profile”) do not work.
- At some places, the graphical user interface of the tool is very confusing (for example, “TOPSIS”).

Prioritize using TOPSIS...

Select direction of preference of (of importance) for criterion :-->

	The system shall used by a broad variety of people	It should be possible to add food information	It should be possible to add sport information	A personal profile should include age, gender, weight, height, etc.
Evaluation nutrition	☐	☐	☐	☐
Evaluation sports	☐	☐	☐	☐
General evaluation	☐	☐	☐	☐
Medication journal	☐	☐	☐	☐
Motivational sayings	☐	☐	☐	☐

Favorite requirements – 1

- “The app should suggest me healthy dishes.”
- “Regarding sports: Would you like a feature which allows you to show other people nice jogging areas or which allows you to build fitness paths which other could follow? (...)”
- “App should suggest me proper exercises as per my health condition. (...)”

Favorite requirements – 2

- “(...) possibility to add health conditions (illnesses, injuries).”
- “(...) possibility to add food allergies, food that you like/dislike, that could be taken account to dish suggestions.”

Comments
and questions?