

SE2 - A.Y. 2022-2023 - Analysis of a RASD Document

You are asked to read the RASD document available at

https://webeep.polimi.it/pluginfile.php/515844/mod_folder/content/0/ProjectToBeReviewed/RASD.pdf?forcedownload=1

and fill in the questionnaire below highlighting the issues that you find relevant.

For your reference, the description of the assignment can be found here:

https://webeep.polimi.it/pluginfile.php/515844/mod_folder/content/0/ProjectToBeReviewed/Assignment.pdf?forcedownload=1

The form can be answered by individuals or by groups of maximum 3 students. The information concerning the student submitting the form will be automatically collected by the system. Please make sure that the information you add in the form about your group mates (if any) are correct. Students who registered for the R&DD project must do this work within their project group; it will be useful to understand how to develop an excellent RASD document.

* Required

Analysis of the RASD document

Now you are ready to answer to the questions concerning the RASD document

Preliminaries

Please make sure that the information you insert in the form is correct

1. Reference Professor *

- ☒ Prof. Di Nitto
- ☐ Prof. Rossi
- ☐ Prof. Camilli

2. Is your group enrolled to the R&DD project? *

- ☒ Yes
- ☐ No

3. Insert here the URL of the github repository you have created for your project. We will use that URL as an identifier of your group.

*

<https://github.com/alirezaazadi/AzadiBehzadifardYahyanezhad>

4. How many group mates do you have? *

- ☐ No one, I am alone
- ☐ One
- ☒ Two

Information about your first group mate

Please include here the information about your first group mate. The information about you are automatically recorded when you submit the form.

5. Last name of your first group mate *

Azadi

6. First name of your first group mate *

Alireza

7. Person ID of your first group mate *

10888648

Information about your other group mate

Please include here the information about your other group mate. The information about you are automatically recorded when you submit the form.

8. Last name of your other group mate *

Behzadifard

9. First name of your other group mate *

Mohammad Hosein

10. Person ID of your other group mate *

10880732

Analysis of the RASD document

Now you are ready to answer to the questions concerning the RASD document

11. Describe at most three between strengths and weaknesses you see in Sections 1 and 2. Be concise and clear. *

Weakness:

1- The question and discussion functionalities made the system usage ambiguous. A forum potentially is a place to ask questions and have discussions about the questions and answers, so having two places makes the system complicated. By allowing the user to post as an "anonymous user" in the forum, the system will no longer need the "help" system.

2- There is no "Control" column in the "shared phenomena" tables to specify the world which is going to be controlled.

3- Section 1.2.1 they didn't consider all the World Phenomena:
such as Weather Conditions

Strengths:

1- Scenarios (section 2.1.1) are defined in detail and close to real scenarios.

2- "ProductSuggest" has not been considered in the assignment, but they did consider it.

3- Sections 1 and 2 have good structures and both of them follow general guidelines for RASD.

12. Describe at most three between strengths and weaknesses you see you see in Section 3. Be concise and clear. *

Weakness:

1- In defined functional requirements (section 3.2), despite the fact that policymakers are one of the two types of users in the system, did not mention policymakers' registration. There is the same problem in section 3.2.2 in the use cases.

2- In section 3.2.2, the "farmer registration" use case, exception row, did not mention the farm location restriction. If the farm was not located in the pre-defined area, the system should prevent users from registering.

3- Did not consider the Scalability in section 3.5. How is the system going to scale up if the system has reached its maximum capacity to handle users' requests?

Strengths:

1- Don't assume all the users have access to high-speed internet and users with slow internet should be able to use the system as flawlessly as a user with a good internet connection. And suggesting some solutions to satisfy this requirement.

2- Trying to consider all types of devices with different screen sizes and assuming the system UI should be responsive and adaptive.

3- The detailed mapping between goals, domain assumptions, and requirements and between

13. Describe at most three between strengths and weaknesses you see in Section 4. Be concise and clear. *

Weaknesses:

1- Regarding to the alloy specification, there could be farms that do not belong to any farmer.

2- In figure 19, the password "e" is associated with the users "User0" and "User1". It is true that each user can have the same password (we don't need users to have different passwords). But the Alloy should have a more detailed model for user-password relationship as from the software point of view each user should have one to one relationship with this password.

3- Going more through the complexity of checking and predicate could have highlighted some of the contradictions found.

Strengths:

1- the truths are named well and it is obvious what is the restriction from their names.

2- we can understand and check for contradictions in our design prior to the development with

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