

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

You are asked to read the DD document available at https://webeep.polimi.it/pluginfile.php/515844/mod_folder/content/0/ProjectToBeReviewed/DD.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 DD 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 *

Behzadifard

6. First name of your first group mate *

Mohammad Hosein

7. Person ID of your first group mate *

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 *

9. First name of your other group mate *

10. Person ID of your other group mate *

Analysis of the DD document

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

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

- 1- In section 2.1, services for farmers and services for policymakers does not mention. For example, we can write "Farmer wants to create a problem: farmer writes own problem, the information about created problem will save in database as well as replied answers.", as a service for farmers and "A policymaker could see steering initiatives progress. The server receives the query and will provide data from the database and gives them to the policy maker." as a service for policymakers.
- 2- Regarding Figure 2, it was better to specify 3 components with names: "PolicymakerApp", "FarmerApp", and "SoftwareService". It is more readable.
- 3- In figure 4, what is x? It should have a name.
- 4- In figure 5, there must be a router between ClientApplication and RegistrationService since it was defined before.
- 5- In figure 3, it was better to draw a device component between "device" and "LoadBalancer" as "Firewall". A firewall is used for providing safe access to the server and database, as well as, preventing external attacks.
- 6- In section 2.4, Labeling farmers, View steering initiatives' result, Insert products, View weather forecast, and humidity of soil are not defined.

12. Describe at most three between strengths and weaknesses you see you see in Sections 3 and 4. Be concise and clear. *

- 1- In section 3.1, it was better to add some figures related to weather, forecast details, and humidity of soil.
- 2- In section 3.1 for some figures that need more information like section 3.1.7, an explanation has been written. This is a good point.
- 3- In figure 15, the crop amount should have a unit like kg or g.
- 4- In figure 17, there is no cancel button and placeholders should have an example.
- 5- In figure 19, there are some strong features like a summary of information, graph comparison, and recommending crops.
- 6- In section 4, some components did not mention. Like the policymaker app, mail, problem, and farm detail.

13. Describe at most three between strengths and weaknesses you see in Section 5. Be concise and clear. *

- 1- In this section, there is a driver that is implemented individually for each component and the testing phase is bottom to up approach.
- 2- About figure 25, as externalAPIHandler has already been tested, It has not been retested in this part.
- 3- In figure 28, there should be a final driver.
- 4- In figure 25, the right driver must not be in the figure. it is redundant.

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