

Group: C1.010

García Rivero, Andrés Francisco -[andgarriv@alum.us.es](mailto:andgarriv@alum.us.es)

López Cubiles, Antonio José - [antlopcub@alum.us.es](mailto:antlopcub@alum.us.es)

Nieto Vicioso, Javier - [javnievic@alum.us.es](mailto:javnievic@alum.us.es)

Díaz Ordoñez, Pablo -  [pabdiaord@alum.us.es](mailto:%20pabdiaord@alum.us.es)

Sevillano Barea, Alejandro - [alesevbar@alum.us.es](mailto:alesevbar@alum.us.es)

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Analysis Report

**Repository: https://github.com/C1-010/Acme-SF-D02**

Contenido

[1. Executive Summary 2](#_Toc158936944)

[2. Revision Table 2](#_Toc158936945)

[3. Introduction 2](#_Toc158936946)

[4. Contents 2](#_Toc158936949)

4.1. Information requirements……………………………………………………………………………………..2

4.2. Functional requirements……………………………………………………………………………………….2

4.3. Non-functional requirements………………………………………………………………………………..2

4.4. Testing requirements……………………………………………………………………………………..……..2

4.5. Managerial requirements……………………………………………………………………………….……. 3

[5. Conclusions 3](#_Toc158936950)

[6. Bibliography 3](#_Toc158936951)

# 1. Executive Summary

This document will gather an analysis of the most complex requirements included in this deliverable. Within the analysis of each requirement, the requirement itself will be quoted verbatim, and the decisions made to fulfil said requirement will be included.

# 2. Revision Table

|  |  |  |
| --- | --- | --- |
| Revision number | Date | Description |
| 1 | 08/03/2024 | Document created and completed |

# 3. Introduction

# The purpose of this document is to perform an analysis of the requirements deemed necessary, providing a detailed description of each. Additionally, different available options will be identified, if any, to address each requirement, along with the associated advantages and disadvantages of each. Finally, the chosen alternative will be presented.

# 4. Contents

**4.1. Information requirements**

**Mandatory**

1. *A claim is an opposition or contradiction posted by anyone that is made to something considered to be unjust. The system must store the following data about them: a code (pattern “C-[0-9]{4}”), not blank, unique), an instantiation moment (in the past), a heading (not blank, shorter than 76 characters), a description (not blank, shorter than 101 characters), the department to which it is addressed (not blank, shorter than 101 characters), an optional email address, and an optional link.*
2. *An objective allows an authenticated principal to define a goal or end towards which the actions or operations of a specific project are directed. The system must store the following data about them: an instantiation moment (in the past), a title (not blank, shorter than 76 characters), a description (not blank, shorter than 101 characters), a priority (“Low”, “Medium”, “High”), a status to indicate whether it is critical or not, a duration (must start at any moment after the instantiation moment), and an optional link with further information.*
3. *A risk, positive or negative, is a fact that has a certain impact on the development of a project and must be considered by the administrator. The system must store the following data about them: a reference (pattern “R-[0-9]{3}”), not blank, unique), an identification date (in the past), an impact (positive real number), a probability, a value (result of the multiplication of impact and probability), a description (not blank, shorter than 101 characters), and an optional link with further information.*
4. *A notice is a message posted by an authenticated principal. The system must store the following data about them: an instantiation moment (in the past), a title (not blank, shorter than 76 characters), an author (not blank, shorter than 76 characters), a message (not blank, shorter than 101 characters), an optional email address, and an optional link. The author must be computed as follows: “〈username〉 - 〈surname, name〉”, where “〈username〉” denotes the username of the principal who has posted the note and “〈surname, name〉” denotes his or her full name.*
5. *A banner allows administrators to advertise products, services, or organisations. The system must store the following data about them: an instantiation/update moment (in the past), a display period (must start at any moment after the instantiation/update moment and must last for at least one week), a link to a picture that must be stored somewhere else, a slogan (not blank, shorter than 76 characters), and a link to a target web document.*

These requirements have not been difficult for us nor have we had to invest a large amount of time thanks to the slides "S02-A foundation" and the guidelines that the teacher has given us in the practical classes, which have resolved many doubts.

As for the requirements, since they were quite similar, we have collaborated as a team quite well, helping each other with any questions that might arise.

We found the forum quite useful, for doubts about some other requirement.

**Supplementary**

*21) The system configuration must include the following initial data:*

*• A system currency, which must be initialised to “EUR”.*

*• A list of accepted currencies, which must be initialised to “EUR”, “USD”, and “GBP”.*

*22) The system must handle administrator dashboards with the following indicators: total number of principals with each role; ratio of notices with both an email address and a link; ratios of critical and non-critical objectives; average, minimum, maximum, and standard deviation of the value in the risks; average, minimum, maximum, and standard deviation of the number of claims posted over the last 10 weeks.*

We have not been able to complete requirement 21 for this deliverable.

Requirement 22 has been quite easy for us since they have explained very well in theory how to make a dashboard and in this case the one we have made is the "administrator" one.**4.2.** **Functional requirements**

Intentionally blank.

**4.3. Non-functional requirements**

Intentionally blank.

.**4.4. Testing requirements**

**Mandatory**

*8) Produce initial data to cold start your project; it must include an administrator account with credentials “administrator/administrator”. Produce assorted sample data to test your requirements; it must include two administrator accounts with credentials “administrator1/administrator1” and “administrator2/administrator2”.*

These requirements have not been difficult for us nor have we had to invest a large amount of time thanks to the "S02-Sample Data" slides and the guidelines that the teacher has given us in the practical classes, which have resolved many doubts.

**4.5. Managerial requirements**

**Supplementary**

*23) Produce an analysis report.*

*24) Produce a planning and progress report.*

*25) Produce a UML domain model.*

Having already made the "analysis report" and "planning and progress report" templates in deliverable 1, we have developed them quite quickly in these templates. We have done the UML with the provided tool UMLET since it is much simpler when creating entities, relationships, etc.

# 5. Conclusions

In conclusion, the analysis of the requirements for this deliverable has been simple, but in this case we have required a search for alternative solutions such as the forum. However, facing deliverables 3 and 4 we know that the quantity and complexity of the requirements will increase.

Based on the above, it will be necessary to dedicate more time to requirements analysis. If a requirement is complex, it will be essential to explore all possible alternatives to fulfill it, and if necessary, consult the course forum to choose the appropriate alternative following the guidelines provided.

We will deliver requirement 21 together with deliverable 3.

# 6. Bibliography

"08 Annexes.docx" - Material provided in the DP2 subject at the University of Seville.Principio del formulario