Individual Analysis Report, Deliverable 02

Group: C1.01.02

Repository: https://github.com/JMGarCas/Acme-L3

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Executive Summary

This analysis report by Enrique Caballero Muñoz covers the individual work of Deliverable 01 for workgroup C1.01.02. The report focuses on the functional requirement of the deliverable, specifically the modification of the anonymous menu to include the author's DNI, full name, and a link to their favorite website. The report includes a detailed analysis on possible inaccuracies, incompleteness or incorrectness regarding the goals to meet, which in this case no problems of this sort have been found.

Revision Table

Version	Date	Description
1	26/02/2023	Initial drafting of the analysis report.
2	02/03/2023	Follow-up session corrections

Introduction

This document will serve as the analysis report of the individual work of Deliverable 01 for workgroup C1.01.02. Author is Enrique Caballero Muñoz, and we will list and analyze the most prominent requirements for this deliverable, excluding those related to reports due to redundancy.

This analysis report consists of a listing of analysis records, each of which include the following data: a verbatim copy of the requirement to which the record refers; detailed conclusions from the analysis and decisions made to mend the requirement. Requirements are written in informal language and can leave room for doubt, and that's what will be dealt with through a careful analysis throughout this document.

This report is separated into: 'table of contents', which works as an index to move around the document;'executive summary', which provide an overview of the main points of the report; 'revision table', which lists every version and changes that this document has gone through; 'content', where the main requirements from the deliverable will be analyzed, explained and will receive a detailed conclusion; 'conclusions', where we will arrive to an ending section where we look back upon the deliverable itself; and 'bibliography', where the sources employed for the realization of this document will be listed.

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Information requirements

4) There is a new project-specific role called lecturer, which has the following profile data: alma mater (not blank, shorter than 76 characters), a résumé (not blank, shorter than 101 characters), list of qualifications (not blank, shorter than 101 characters), and an optional link with further information.

This requirement is clear and complete. There were no problems understanding my client's needs and I implemented the datatype successfully with approval from my lecturer during the second follow-up session.

5) A course aggregates several lectures by the same lecturer. The system must store the following data about them: a code (pattern "[A-Z]{1,3} [0-9]{3}", not blank, unique), a title (not blank, shorter than 76 characters), an abstract (not blank, shorter than 101 characters), an indication on whether it can be considered a theory course or a hands-on course (depending on the lectures that it aggregates), a retail price (positive or nought), and an optional link with further information. Purely theoretical courses must be rejected by the system.

As for the code's pattern, I made sure to check in with the client that the regex was correct since I am aware that my group's partners have had problems related to its structure. Therefore, our lecturer confirmed that our fictitious client has given us the correct pattern.

We can also infer from this requirement that many courses must be composed of lectures, as well as being taught by a lecturer, though this had to be confirmed by our teacher during a follow-up session. It makes sense that they both are mandatory relationships.

6) A lecture is a document that a lecturer uses to get some knowledge across. The system must store the following data about them: a title (not blank, shorter than 76 characters), an abstract (not blank, shorter than 101 characters), an estimated learning time (in hours, positive, not nought), a body (not blank, shorter than 101 characters), an indication on whether it can be considered theoretical or hands-on, and an optional link with further information.

To start off, we can infer from the requirement that a lecture must be taught by a lecturer, though it is not explicitly explained. However, given that lectures are aggregated in different courses, we should not map lectures with lecturers directly, but rather through the courses they belong to.

On the other hand, while it is not explicitly explained during the requirement, the type of lectures range from: theoretical, hands-on and balanced. This means that this attribute has to be translated and implemented as an enumerate, instead of as a boolean as it might be expected at first. This has been confirmed by the lecturer during the second follow-up session.

7) The system must handle lecturer dashboards with the following data: total number of theory and hands-on lectures; average, deviation, minimum, and maximum learning time of the lectures; average, deviation, minimum, and maximum learning time of the courses.

This requirement is clear and complete. There were no problems understanding my client's needs.

8) Produce assorted sample data to test your application informally. The data must include two lecturer accounts with credentials "lecturer1/lecturer1" and "lecturer2/lecturer2".

This requirement is clear and complete. There were no problems understanding my client's needs and the sample data was successfully produced.

Conclusions

For this deliverable, it has been analyzed that there have been barely any problems when it comes to inaccuracies, incorrectness or incompleteness in the requirements. All problems found were minor.

Bibliography

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