

D02 Individual Analysis Report

Group: C1.01.02
Repository: <https://github.com/JMGarCas/Acme-L3>
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Id	Date	Description
1	15/03/2023	Initial drafting of the analysis report.

Introduction

This document will serve as the analysis report of the individual work of the Deliverable 02 for workgroup C1.01.02. Author is Félix Ángel Gudiel Güemes. The completed requirements for this deliverable will be listed and analysed.

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 through this document.

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- 4) There is a new project-specific role called student, which has the following profile data: statement (not blank, shorter than 76 characters), list of strong features (not blank, shorter than 101 characters), list of weak features (not blank, shorter than 101 characters), and an optional link with further information.

As we have previous examples of roles in the base application and all characteristics are simple, no help was needed.

- 5) **[Mandatory]** An enrolment is a registration of a student in a course. The system must store the following data about them: a code (pattern "[A-Z]{1,3}[0-9]{0-9}{3}", not blank, unique), a motivation (not blank, shorter than 76 characters), some goals (not blank, shorter than 101 characters), and a work time (in hours, computed from the corresponding activities).

The main problem found was the inconclusive pattern that the code must follow. After asking the client, we can find that the correct pattern is [A-Z]{1,3}[0-9]{3}.

https://ev.us.es/webapps/discussionboard/do/message?action=list_messages&course_id=63009_1&nav=discussion_board&conf_id=303964_1&forum_id=206215_1&message_id=357834_1

Another problem arose with how the work time should be represented, though this fixed by looking in the forum. I chose the first option, Double and 2.5h = 2h 30min.

https://ev.us.es/webapps/discussionboard/do/message?action=list_messages&course_id=63009_1&nav=discussion_board&conf_id=303964_1&forum_id=206215_1&message_id=358575_1

No other problems were found.

- 6) **[MANDATORY]** Every enrolment has a workbook that is composed of activities. 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 indication on whether it can be considered a theory activity or a hands-on activity, a time period (either in the past or the future), and an optional link with further information.

Following the same forum post, I decided to express the time period as two different TIMESTAMPS, that will require a custom constraint to make sure they are in the correct order.

https://ev.us.es/webapps/discussionboard/do/message?action=list_messages&course_id=63009_1&nav=discussion_board&conf_id=303964_1&forum_id=206215_1&message_id=358575_1

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- 7) The system must handle student dashboards with the following data: total number of theory and hands-on activities in his or her workbook; average, deviation, minimum, and maximum period of the activities in his or her workbook; average, deviation, minimum, and maximum learning time of the courses in which he or she has enrolled.

After our teacher gave us some remarks about this requirement, we as a group organized to create a common class called `Statistic`, making this requirement trivial.

Conclusions

This deliverable was more centred around actual coding, even though the data models are the most basic part of the application. As I have grown accustomed to the tools, I have spent less time over all thinking in how I will do things, instead focusing on doing them.

I believe that I'm properly prepared for the next sprint, with more experience on the framework and all the tools we must use to correctly deliver this project.

Bibliography

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