# Student #3, Sprint 3: Analysis report

**Group:**          C1.04.14

**Repository:**      https://github.com/marizqlav/Acme-L3-D01

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## Summary

Acme Life-Long Learning, Inc. (Acme L3, Inc. for short) is a company that specializes in helping learners get started on a variety of matters with the help of renowned lecturers. The goal of this project is to develop a WIS to help this organization manage their business.

## Revision table

| Number | Date | Description |
|--------|------|-------------|
| 1 | 20/04/2023 | Full redaction of the document |
| | | |

# **Introduction**

This document lists analysis records, each one including 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; a link to the validation performed by a lecturer.

This document has the following structure:

- Analysis report

# Contents

## Analysis records

### Functional Requirement nº11 Sign up to the system and become a student:

Decisions: This has been a simple requirement, so it doesn't require any major decisions.

Conclusion: A button has been added where you can register as a student by entering the corresponding data.

### Functional Requirement nº12 Students can update their profiles:

Decisions: This requirement is also very simple, it is only about updating the data of a student, checking before that only one student can update their profile.

Conclusion:There is nothing remarkable in this requirement beyond what has already been commented.

### Functional Requirement nº13 Operations by any students on courses:

Decisions: For this requirement it has been necessary to list the published courses, in addition it has to be verified that the user who wants to access the list must be a student.
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=_364648_1

In addition, the details of the course show the data of the lecturer. I have also added a button that shows the list of lectures for a specific course. Details of these lessons are also displayed.
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=_365480_1

Conclusion: In conclusion, this has not been the most difficult requirement to implement, just a couple of shows and listings, but it is necessary for a student to have all the necessary information to be able to enroll in a course. Following the

recommendations of the laboratory class and the forum, everything has been implemented without problems

<u>Functional Requirement nº14 Operations by students on enrollments:</u>

Decisions: This has been the most complex requirement in my opinion, to begin with the student will be able to list their own enrollments, they will also be able to see their details and create news enrollments. You can also update and delete the enrollment if it has not been finalized.

An enrollment can be finalized when the data of a credit card is entered, that is to say holder name, the number of the credit card, the date of expiration and the CVC. Of these data, the database will only store the holder name and the last four digits of the credit card number. "lowerNibble" will be of type string because the input will allow "-" and spaces to be entered, then it will be parsed to an integer in the service.

A question that arose during the laboratory classes was how a user enrolls in a course, there were two options, or see the list of the course, select the course in which you want to enroll and from a button go to fill in the data of the enrollment with the id of the course passed by parameter, or from the list of enrollments, a form was accessed and the course was selected through a drop-down with the code and the title of the course. Finally, and on the recommendation of the laboratory professor, I have decided to implement it in both ways, because the more facilities we give to the user, the better their experience will be.

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=_364576_1

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=_365854_1

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=_363294_1

Conclusion: In conclusion, this requirement has been the most complex but also gratifying, following the forum's recommendations and the laboratory teacher I have been able to implement everything so there have been no problems.

Functional Requirement nº15 Operations by students on workbooks:

Decisions: The only difficulty with this requirement has been to verify that you can create, modify and delete activities from a workbook as long as the associated enrollment has been completed. As already mentioned in the previous deliverable, in our database there are no workbooks as such, therefore the activities are directly related to the enrollments.

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=_363300_1

Another very common question both in the forum and in the laboratory class has been when entities can be created, edited and deleted, in my case, having been advised by the laboratory class teacher and also as explained in the forum and in the requirements, the activities will begin to be created, edited or deleted once the enrollment has finished, that is to say that its draftmode is false because it would have already been charged. Therefore, you could start receiving the activities service after entering your credit card details. This is because applying the logic of the requirements, you can only start creating activities after the enrollment has finished. As the laboratory professor told us, in real life you usually pay first and then receive the service. Due to this, the list activities button will not be shown until the enrollment is finished

Another decision has been to publish or not an activity, in which I have chosen that it is not necessary since the activities can only be registered after completing the enrollment and are private to each student, therefore publishing the activities or not, It is not relevant in this context since they serve to keep a record of the work that the student is doing for the same.

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=_364573_1

Conclusion: In conclusion, this requirement has not been very complex but if it has raised doubts, as always following the advice of the laboratory teacher and the forum, it has been implemented in the aforementioned way.

Functional Requirement nº16 Operations by students on student dashboards:

Decisions: This requirement will only have to calculate the required properties, for this the queries will be created in the repository, some will be stored in a map. Then these properties will be displayed on the Student Dashboard.

Conclusion: In conclusion, no important decision had to be made on this requirement.

# **Conclusion**

This sprint has been much harder than the previous ones, because in addition to having more tasks, they have been much more complex. Even so, I consider that this experience has been gratifying because I have learned a lot about how the framework works, so I can say that the curve of the next sprint will not be so forced.

# **Bibliography**

- Document "On Your Derivables" of EV of the subject Design and Testing II.

- Document "So6 - On your follow-ups" of EV of the subject Design and Testing II.

- Document "o8- Annexes" of EV of the subject Design and Testing II.