

# Student #4, Sprint 2: Analisis report

**Group:** C1.04.14

**Repository:** <https://github.com/marizqlav/Acme-L3-D04>

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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	15/03/2023	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**

### **Information Requirement nº4 Company:**

Decisions: For this requirement I have decided to use the restriction unique for the attribute VATNumber to ensure that duplicate values are not inserted as they represent roles from different companies

Conclusion: During the laboratory classes it has been concluded that using the restriction unique is necessary for this attribute to distinguish the different companies.

### **Information Requirement nº5 Practicum:**

Decisions: The contradiction in practicum related to hands-on courses, it has simply been corrected as discussed in the forum:

[https://ev.us.es/webapps/discussionboard/do/message?action=list\\_messages  
&course\\_id= 63009 1&nav=discussion\\_board&conf\\_id= 303964 1&forum\\_id= 206  
215 1&message\\_id= 358417 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= 206 215 1&message_id= 358417 1)

Several doubts arose in this requirement, the first about the code attribute, since it had a bug, it has simply been corrected as discussed in the forum:

[https://ev.us.es/webapps/discussionboard/do/message?action=list\\_messages  
&course\\_id= 63009 1&nav=discussion\\_board&conf\\_id= 303964 1&forum\\_id= 206  
215 1&message\\_id= 360129 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= 206 215 1&message_id= 360129 1)

In addition, there have also been some doubts about this requirement. To begin with, the name of the abstract attribute matched a keyword, so I decided to rename it as abstractAbstract and in the lab class the professor said that it was acceptable.

I have also had doubts about how to implement the estimatedTotalTime attribute, but it was also discussed in class and has been discussed in the forum with the similar attribute work time, so I will implement it as a derived attribute and it will be implemented in the service:

[https://ev.us.es/webapps/discussionboard/do/message?action=list\\_messages  
&course\\_id= 63009 1&nav=discussion\\_board&conf\\_id= 303964 1&forum\\_id= 206  
215 1&message\\_id= 358091 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= 206 215 1&message_id= 358091 1)

Regarding the relationships, I have interpreted and corroborated in the laboratory classes the relationship between Practicum and Company should be Many-To-One and the relationship between Practicum and Course should be One-To-One

Conclusion: As already explained, we have managed to solve all our problems and doubts by attending laboratory classes and the help of the subject forum.

#### Information Requirement nº6 Session Practicum:

I have also had problems implementing the timePeriod attribute, which through a look in the forum I managed to understand that I had to separate it into two attributes, a start date and an end date which I called timePeriodInitial and timePeriodFinal, and taking advantage of the MomentHelper class to do the calculation as a non-persistent attribute, so use the @Transient annotation. In addition, the post also clarifies that the statement says that it can be both in the past and in the future, so the simplest solution was not to put restrictions:

[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=358091\\_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=358091_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=358575\\_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=358575_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=359274\\_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=359274_1)

Regarding the relationships, I have interpreted and corroborated in the laboratory classes the relationship between Session Practicum and Practicum should be Many-To-One.

Conclusion: With the help of the previous posts in the subject forum, I have been able to implement the timePeriod attribute in the correct way.

#### Information Requirement nº7 Company Dashboard:

Decisions: For this requirement I have decided to use a map to simplify the model, since it is easier to locate the parameters if they are inside a collection rather than keeping track of multiple individual variables.

Conclusion: During the laboratory classes it has been concluded that using a map is more useful for locating the parameters and simplifies the model.

## **Conclusion**

In conclusion, this sprint is considered heavier than the sprint before in the amount of individual work required to fulfill the requirements, but the difficulty focused more on the uml with the attributes of the entities, which was where more time was spent thinking about the type of entity or the persistence or not of the derived attributes, in addition to populating the CSVs. We hope for a swift and effective completion of the tasks.

## **Bibliography**

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