Student #4, Sprint 4: 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	21/04/2023	Full redaction of the document

Introduction

This document lists the analysis records for each of the sprints, each of the analysis records includes the following data: a verbatim copy of the requirement to which the record refers; detailed conclusions of the analysis and decisions made to amend the requirement; a link to the validation carried out by a lecturer.

This document has the following structure:

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Contents

Analysis records 2

<u>Information Requirement nº4 Company</u>:

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.

<u>Information Requirement nº5 Practicum</u>:

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=_206215_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=_206215_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=_206215_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=_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

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.

Analysis records 3

<u>Functional Requirement nº11 Sign up to the system and become a company:</u>

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 company by entering the corresponding data.

<u>Functional Requirement nº12 Companies can update their profiles:</u>

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

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

<u>Functional Requirement nº13 Operations by any authenticated principals on practica:</u>

Decisions: For this requirement it has been necessary to list the practicums, in addition it has to be verified that the user who wants to access the list must be any authenticated principals.

In addition, the details of the company show the data of the company.
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 company 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

Functional Requirement nº14 Operations by companies on practica:

Decisions: The only difficulty with this requirement has been to implement the estimated time and the validation when you are choosing the course in create that after it was chosen could not be modified, a decision that was made due to the continuous failure when it was wanted to put that the course could be updated, but that it failed to be related to the estimated time.
In addition, I added the functionality that if a practice does not have practice sessions, said practice cannot be published.

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 I have been able to implement everything so there have been no problems.

Functional Requirement nº15 Operations by companies on sessions:

Decisions: This has been the most complex requirement in my opinion, to begin with the practicum will be able to list their own sessions and addendum sessions, they will also be able to see their details and create news sessions and only one addendum session and if you delete one addendum session you can create a new addendum session but if you have one addendum session you can not add a new addendum session and you can add a normal session. You can also update and delete the session and the addendum session if it has not been published.

I have taken into account the following link for the realization of the addendum session and seeing what is needed for its confirmation. To create an addendum session, it is necessary that your practice has been published, that there is no more addendum session and that it has a confirmation input-checkbox that can be selected to confirm that you want to create it. For this reason I have created an attribute called addendum so that when a practicum is published, the button appears if the circumstances arise

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=_364602_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=_364436_1

For the creation of a new session in their practicum as long as they have not been published. I added a draftMode that has to be true to create a new practicum and if it is false you can not create a practicum.

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=_364558_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 very complex, but, 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 companies on company dashboards:

Decisions: This requirement has not been finished because there has not been enough time to fully implement its functionality and views.

Conclusion: In conclusion, it has not been counted as done for this deliverable and is expected to be finished for the next deliverable.

Analysis records 4

<u>Functional Requirement nº15 Operations by companies on sessions:</u>

Decisions: The decision was made to add a distinctive attribute for the addendums in the list and the confirm button that I want to create an addendum was changed to be a checkbox. It was set that when an addendum was created it would be published immediately since an addendum cannot be edited or deleted, since it is an additional session that is created in exceptional cases.

Conclusion: In conclusion, this requirement has been very complex, but, as always following the advice of the laboratory teacher and the forum, it has been implemented in the aforementioned way.

<u>Functional Requirement nº16 Operations by companies on company dashboards:</u>

Decisions: I made the decision to make the dashboard for the grouping of practices by month with the graph, since it would be the most attractive way for clients. And I did it following the steps of Acme-Jobs for the grouping of months.

In conclusion, this requirement has been very complex at first, but, as always following the advice of the laboratory teacher and the lessons, in addition to the Acme-Jobs Dashboard, the requirement has been completed.

Conclusion

This sprint has been less heavy than the previous ones, because we only had to carry out the tests, correct the errors made in the previous sprints and refactor the implemented code. For this very reason and with the slides presented in class and the laboratory classes we have not had much problem carrying out the tests that had to be implemented and to implement the improvements that were proposed to us in the laboratories.

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.