Student #2, Sprint 2: Analysis report

Group: C1.04.14

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

Student #1

Name: Domínguez-Adame, Alberto
email: albdomrui@alum.us.es

Student #2

Name: Herrera Ramírez, Ismael
email: ismherram@alum.us.es

Student #3

Name: Olmedo Marín, Marcos
email: marolmmar1@alum.us.es

Student #4

Name: Izquierdo Lavado, Mario
email: marizqlav @alum.us.es

Student #5

Name: Merino Palma, Alejandro
email: alemerpal@alum.us.es

Table of contents

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 Student:

Decisions: This is a simple requirement. The only real decision to be made is how to implement the list of strong features and the list of weak features, which we could implement as a list of string or a long single string.

Conclusion: Through a discussion in class with the teacher and the other groups we have determined that given the restrictions (not blank, shorter than 101 characters) the easiest method was to implement it with a single String. Also, this is how it was explained 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=_356955_1

Information Requirement nº5 Enrolment:

Decisions: 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, also having a one-to-one relationship, as explained in the laboratory class, the best solution was to implement the Workbook attributes within the Enrollment class. I have also had doubts about how to implement the workTime attribute, but it was also discussed in class and has been discussed in the forum, I will implement it as a derived attribute, so 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 that both the relationship with Student and that of Course should be Many-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 Activities:

Decisions: 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, 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

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. The Many-To-One relationship with Enrolment was explained in lab class so it hasn't been a problem.

Information Requirement nº7 Student Dashboard:

Decisions: For this requirement the only problem has been to decide whether to use a map to simplify the model or to have an attribute for each statistic.

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

Conclusion

In conclusion, this sprint has needed more work, although it has been simple, since it has tried to implement the .java classes with their attributes and relationships, in addition to populating the CSVs. During this Sprint we have also made the UML model, but thanks to the teacher's follow-up during the laboratory classes we have managed to do it properly.

Bibliography

Intentionally blank.