INDIVIDUAL ANALYSIS REPORT

Group C1.04.05
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Author(s):
Carlos Bermejo Soria, *carbersor@alum.us.es*

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1. Executive summary

This report summarizes the analysis needed for the second deliverable for Carlos Bermejo Soria's work.

2. Revision table

No	Date	Description
1.0	07/03/2023	Initial draft of the document.

3. Introduction

The analysis of the requirements is fundamental in every project to get the necessities of the customer right and understand the domain with precision. The documents provided to us already give a detailed expression of what the requirements might be and what they need to be completely fulfilled. If any of those requirements implores extra analysis it will be documented on these analysis reports throughout the different deliverables of the project.
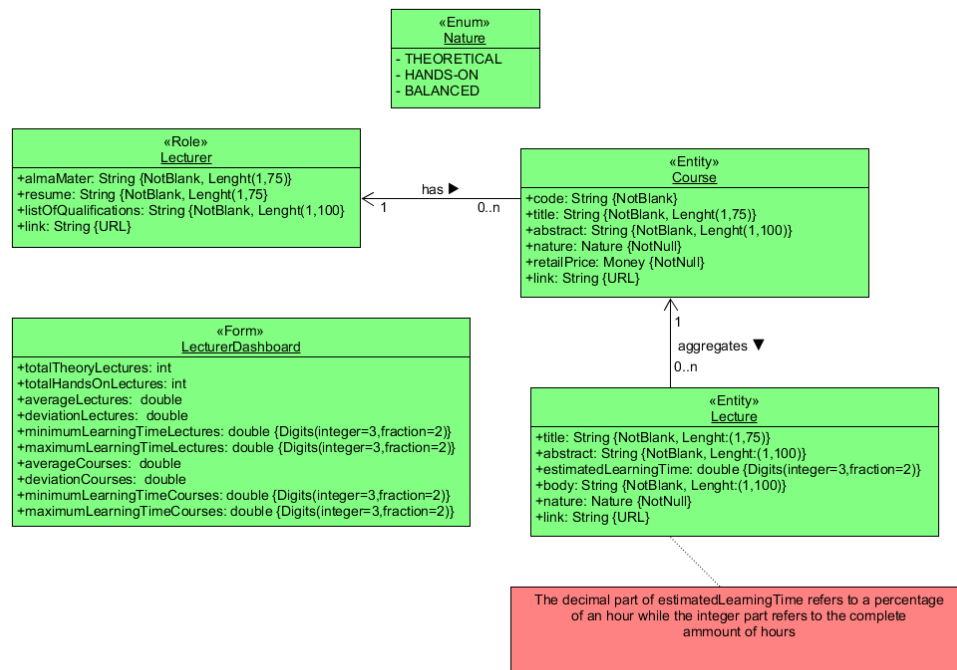
4. Contents

This delivery required some analysis for the correct understanding of the requirements. Each of these decisions were taken having in mind the comments in the forum and the teacher's advice.

4.1. Requirements

- **RI 05 (1).** According to the requirements and with the client confirmation, the relation between courses and lectures is an aggregation, what means that there are a Many-To-Many relation. Following the advices we were given in theory classes, I have decided to create an intermediate entity called "CourseLecture", dividing the relation in two different Many-To-One relations.
- **RI 05 (2).** Since a course is made by a specific lecturer (as deduced from the requirement regarding the lecturer dashboard, where it implicitly says that a lecturer needs data from his or her specific courses), there must exist a relation between both entities.
- **RI 05 (3).** According to the client, the nature attribute has to get 3 different specific values: Theoretical, Balanced and Hands-On; so it has to be an enumerate. The same applicates for the lectures.
- **RI 06 (1).** The estimated time could be represented in many different ways but I decided to follow the client's recommendations and save it as a number where the integer part is the number of hours and it's limited to 3 digits, and the decimal part is the percentage of an hour and it's limited to 2 digits.

4.2. Diagrams

For this set of requirements I decided to make an individual UML model to represent each of the entities and classes needed for the deliverable, including their attributes, relations and restrictions.

5. Conclusions

These were the overall details of the performed individual task by the member Carlos Bermejo Soria.

6. Bibliography

● Discussion board:
https://ev.us.es/webapps/discussionboard/do/forum?action=list_threads&course_id=_63009_1&nav=discussion_board&conf_id=_303964_1&forum_id=_206215_1