

ANALYSIS REPORT

Group C2.04.05

12/02/2023

Author(s):

Carlos Bermejo Soria, carbensor@alum.us.es

Daniel Gallardo Martos, dangalmar@alum.us.es

Pedro González Marcos, pedgonmar2@alum.us.es

Fernando José Mateos Gómez, fermatgom@alum.us.es

Carlos Zarzuela Reina, carzarrei@alum.us.es

Table of contents

| | |
|----------------------------------|----------|
| 1. Executive summary | 3 |
| 2. Revision table | 3 |
| 3. Introduction | 3 |
| 4. Contents | 3 |
| 4.1. Requirements | 3 |
| 4.1.1. Banner | 3 |
| 4.2. Other analysis | 4 |
| 4.2.1. Time periods limits | 4 |
| 4.2.2. Maximum monetary units | 4 |
| 4.2.3. Upper limit Email and URL | 4 |
| 4.3. Diagrams | 4 |
| 5. Conclusions | 5 |
| 6. Bibliography | 5 |

1. Executive summary

This report summarizes the analysis needed for the second deliverable, “the data model” for Pedro González Marcos’ work.

2. Revision table

| No | Date | Description |
|-----|------------|--|
| 1.0 | 15/02/2023 | Initial draft of the document. |
| 1.1 | 06/07/2023 | Added analysis posted in the forum and uml image |

3. Introduction

This document contains a prior analysis done on the group requirements needed to be double checked by the client.

4. Contents

The group has performed a prior analysis on customer requirements for “Student 4” has encountered the following problems.

4.1. Requirements

- 11th requirement note:

The instantiation moment will not have @Past constraint in the attribute as it is not specified when notes will be instantiated.

4.1.1. Banner

When the banner is created, that moment must be instantiated as the instantiation moment; when it’s modified, that same attribute must be updated as the update moment. Keeping the update history of an element in one attribute is a better choice than to store the same information in different attributes. In conclusion: only one attribute is needed. Please see the message posted by Antonio Rodríguez Ruiz in the forum [\[D&T\] Analysis on banner requirement](#) for lecturer validation.

Banners can be scheduled one day ahead at least at any time, i.e I can plan a banner one year ahead that displays for a very long time in the system. This topic was posted in the forum by Francisco Jesus Montero [Posible requisito grupal incompleto](#).

4.2. Other analysis

4.2.1. Time periods limits

When dealing with time periods if no time limits are set by the requirement. The lower limit will be 2000/01/01 00:00 and upper limit will be 2100/12/31 23:59. This topic was posted by Úrsula Garrucho Sánchez [Fechas límites en la BBDD del sistema](#). This will be considered to assort data.

4.2.2. Maximum monetary units

When dealing with prices units a limit of 1,000,000 monetary units was set by the client. This topic was posted in the forum by Alejandro Campano Galán [\[D&T\] Posible incompletitud en “course” y “offer”](#). This was taken into account to generate assorted data.

4.2.3. Upper limit Email and URL

Taking the piece of advice provided by lecturer Rafael Corchuelo Gil, a minimum of 1 and a maximum of 255 characters was set for email and URLs. These constraints are defined when attributes are required, otherwise a maximum of 255 characters is set. This topic was posted by Juan Pedro Gálvez López [\[D&T\] Upper limit on attribute from Student #1's req. 6.](#)

4.3. Diagrams

The following picture represents all the entities in a data model diagram.



Note: it is encouraged to visualize the image in a visualizer. PNG and SVG domain model images were provided within the “domain-model” folder.

5. Conclusions

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

6. Bibliography

- Antonio Rodríguez Ruiz[D&T] Analysis on banner requirement:
https://ev.us.es/webapps/discussionboard/do/message?action=list_messages&course_id=63009_1&conf_id=303964_1&forum_id=206215_1&message_id=357567_1&nav=discussion_board
- Francisco Jesús Montero Posible requisito grupal incompleto:
https://ev.us.es/webapps/discussionboard/do/message?action=list_messages&course_id=63009_1&conf_id=303964_1&forum_id=206215_1&message_id=360300_1&nav=discussion_board
- Úrsula Garrucho Sánchez Fechas límites en la BBDD del sistema:
https://ev.us.es/webapps/discussionboard/do/message?action=list_messages&course_id=63009_1&conf_id=303964_1&forum_id=206215_1&message_id=365784_1&nav=discussion_board
- Alejandro Campano Galán [D&T] Posible incompletitud en “course” y “offer”:
https://ev.us.es/webapps/discussionboard/do/message?action=list_messages&course_id=63009_1&conf_id=303964_1&forum_id=206215_1&message_id=362766_1&nav=discussion_board
- Juan Pedro Gálvez López [D&T] Upper limit on attribute from Student #1's req. 6:
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=366296_1