# **ANALYSIS REPORT**

#### Group C2.04.05 12/02/2023

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# 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

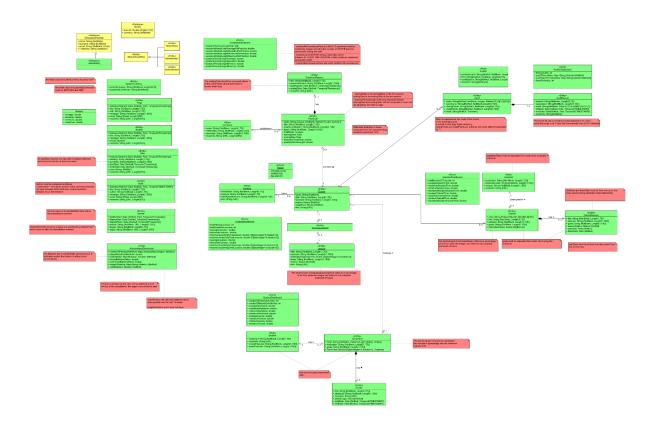
When dealing with prices units a limit of 1,000,000 monetary units was set by the client. This topic was posted in the forum by Alejandro Campano Galán [D&T] Posible incompletitud en "course" y "offer". This was taken into account to generate assorted data.

#### 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 reg. 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

- 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:
   <a href="https://ev.us.es/webapps/discussionboard/do/message?action=list\_messages">https://ev.us.es/webapps/discussionboard/do/message?action=list\_messages</a>
   <a href="https://ev.us.es/webapps/discussionboard/do/message?action=list\_messages">https://ev.us.es/webapps/discussionboard/do/message?action=list\_messages</a>
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- 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 i d= 206215 1&message id= 366296 1