

Project: Part 2

30 pts

Due Date: Thursday, April 4, 11:59 pm

Overall Project Objective

The objective of this second part is to analyze the data and information about the chosen organization and derive a **project-level** model for your database. At this stage you should have a clear understanding of the organization you are working on, and you made up your mind about your entities and attributes. Remember that you are required to have a minimum of 6 entities, and it is recommended that each of them possesses at least 5 attributes.

The next and final part of the project will consist in populating your database as well as manipulate and retrieve data information. Therefore, you should have a clear understanding of your model by the time you are submitting this part 2.

Part 2 Instructions

For the second part of this project you are required to submit **a doc, docx or pdf** document with the following information, preferably in this order:

1. A list of your entities and attributes. For each entity, provide a short description. (3 pts)
2. In addition, for each attribute, provide information about their domain constraints (3 pts) (specific data type, any limit in data entry)
3. A list of ALL the Business Rules used by your organization. (8 pts)
Those rules should be represented in your ER diagram.
I advise you to go first define your business rules and then derive your diagram from them.
4. An ER diagram (or EER diagram if needed). (8 pts)
You are free to use any design software such as **Diagrams.net**, **Lucidchart** or **Microsoft Visio** (Not MySQL Workbench).
Your diagram should look “professional” and included in your doc, docx or pdf submission.
5. A relation model (normalized 3 NF) based on your ERD (8 pts)
1NF or 2NF relations are not required, but you must be sure you have 3NF relational model.
Once again, your model should look “professional”. I therefore recommend that you use **Diagrams.net** or any other good design software.

I only want one submission per group.