

# **Project: Part 1**

10 pts

**Due Date:** Thursday, February 22, 11:59 pm

## **Overall Project Objective**

The objective of this semester project is to construct a database that will serve as part of the data repository for some organization. The organization can be real or imaginary, but it would be easier to construct a project related to an organization that is not only real but also one with which **ALL YOUR GROUP MEMBERS have some familiarity with.**

By the end of the semester, your group is required to construct a database containing at least 6 connected tables, using MySQL or some other equivalent relational database software (check with your instructor first). There is no minimum number of fields required for each table, but most tables that describe physical entity types (e.g., employees, customers, products, etc.) would generally contain a minimum of 8-10 fields (a real-world database table for one of these entities may contain 50-100 fields). There is also no set minimum number of records to load into each table, but you should have enough records to perform several operations on your database such as queries and SQL statements.

## **Find your group**

On Canvas, under **Modules**, go to the **Project** section and open the page **Group Project Members**. Use this page to indicate your group or eventually find/join a group. I recommend you set up your group as early as possible.

## **Work within group**

On Canvas, go to **People** menu and select **Groups** on the top tab. You will find a set of **Groups Project**. Once a group is created, I will add the members to a group. You and your team members are **required** to use this group to collaborate on the project (Example: set up meetings, share drafts, ...). I will check the groups to make sure everyone contributed on the project.

**Important :** Project deliverables must be submitted under the respective project assignments. I will not consider any files under your group folder as project submission.

## **Part 1 Instruction**

For the first part of this project you are required to submit a two-page (max) document with the following information:

1. A list of all the group members name.
2. A set of information about the organization you will be working on including:
  - a. Its name (if imaginary, make up a name)
  - b. Its specific business sector (e.g.: Healthcare, Agriculture, Museum, Sports good, University, etc.....)
  - c. A short description of the organization and the area that you will focus on in your database
  - d. Optional: Why did you pick this organization?
3. A list of all the tables (entities) and corresponding fields (attributes)  
Keep in mind that you need to have **a minimum of 6 tables** and I would recommend **at least 5 fields per tables**.
4. In case of a real organization and real data, how do you plan on obtaining those data.  
**Be mindful that not all data is available to the public, so make sure you have access to the data and are allowed to share it.**

Point will be taken of if some of the previous information is missing.

The objective of this first part is for you to determine an organization you would like to work on for your database and share this information with me, so I can give you my approval.

**Light modifications** to your organization and project description, such as changes in tables or fields, may be allowed for part 2 but will **need to be checked with me first**.

I will likely not validate you part 1 if I consider your organization and project description to **be too ambitious or not enough**. You are welcome to email me if you have any questions.

Your submission should be in one of the following formats: .doc, .docx or .pdf

**I only want one submission per group.**

## **How to find an organization and information for this project**

- **Personal experience:** In any job you have/had you likely dealt with a supervisor, were part of a department and gained some knowledge about your organization structure and process.
- **Organization website:** A lot of information can be found about a company by looking at its website, especially commercial ones like Amazon, Domino's, Ikea and such. Remember that you are not expected to create a database covering for every single part of an organization, as it may take you more than a few months and results in 100+ tables. Focus on an area you have sufficient information about. Examples : Sales , Delivery , HR, ...
- **Personal Interest :** If you and your group members have common hobbies, interest or even desire to work in a specific field, chances are you already have some basic knowledge about the structure of an organization, or a specific industry.
- **Talk to professionals** who can help you better understand a specific field. This is probably the best way to get knowledge about a specific organization. Also, keep in mind that the purpose of this project is to design a database, not to analyze real data. In this sense, you do not have to break any data confidentiality rules. You are free to make up the actual data