Conceptual Model Checkpoint

ERM Entity Relationship Model

The manager provided insights into the company's operations:

* The company manages multiple projects, each with a unique name, description, and start and end dates.

**Projects:** Project\_ID Primary Key, Project\_Name, Description, Start\_date, End\_date

* Customers must provide important information such as unique identifier, company name, contact name, contact email address, and industry.

**Customer :** Customer\_id Primary Key, Compagny\_name, Contact\_Name, Contact\_Email

* Every project is associated with specific deliverables and deadlines.

**Deliverable :** Deliv\_ID Primary Key, Project\_ID Foreign Key, Deliv\_Name, Deadline

Projects can involve multiple data scientists, each with their last name, first name, email address, expertise, and years of experience.

**DataScientists :** Datasc\_ID Primary Key, last\_name, first\_name, email\_address, expertise, years\_experience

The company employs employees in a variety of support functions, each employee has a last name, first name, email address, and title.

**Employees :** Emp\_ID Primary Key, Emp\_FName, Emp\_LName, Email, Title

Relations :

* Un client peut avoir plusieurs projets.
* Un projet peut avoir plusieurs “Delivrable”.
* Un projet peut impliquer plusieurs data scientists.
* Les employés peuvent être associés à différents projets en fonction du **“Title”**

Employee

Emp\_ID

Emp\_FName

Emp\_LName

Email

Title

Projects

Project\_ID Project\_N

Description Start\_date End\_date

**DataScientists**

Datasc\_ID Last\_name First\_name email\_address

Expertise

years\_experience

**Deliverable**

Deliv\_ID

Project\_ID Deliv\_Name, Deadline

**Customer**

Customer\_id Compagny\_name

Contact\_Name

Contact\_Email

1..n

1..1

1..N

1..n

1..N

1..N

1..N

1..1