Luca<
To create our project with a **comprehensive database system**. We have followed **several methods** and **techniques**:

First) We start by
Requirements Gathering

We are identifying the specific requirements of our system. This involves understanding the **key features, functionalities, and data entities** we need.

Then
We create an **Entity-Relationship diagram** to **define** the **entities** and **relationships within** our system.

Next step is to design the database schema using a suitable database management system such as MySQL. We create **tables for each entity**, **including the necessary attributes.** Important here is to define the **primary keys**, **foreign keys, and any constraints** required **to maintain data integrity.**

The last but one of the most Important parts of this project is documentation. This documentation will be valuable for:

future maintenance,
system enhancements,
and collaborations with other developers and user
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On our data dictionary, we document all our component of our database system and provides detailed information. It serves as a reference guide for understanding the structure, organization, and attributes of the data.

As easier as my explanation we can already see that we have 9 entities from this table with entities name followed by attribute and its name, contents, type format, requirement, the column to elaborate if this attribute is a PK or FK and the FK reference column.

Luca>