

# DDL

# LENDING SERVICE DATABASE

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# Introducción

The following document presents a relational diagram of a library database, with details of the library entities and the books it contains. It also includes a script with a series of queries that allow obtaining information from the database. The diagram was made with the online program "diagrams.net" and the script with the Structured Query language (SQL).



The following work tries to demonstrate the knowledge acquired with the resources obtained in the subject of introduction to SQL proposed by Professor Jaume Barceló.

# Database model

To begin with the work, we reused a previously presented diagram as recommended by the teacher.

Subsequently, we reconfigured and completed it so that it met the expectations of the year. In addition, we added the fundamental part of the database logic (lending table).

The steps to follow for the development of the work are the following:

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**MODEL**

- Business model documentation
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**DIAGRAM**

- Diagram design.
  - Study of the relationship of the tables
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**SCRIPT**

- Database script development.
  - Refactor script adapting to business logic
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**QUERIES**

- development of queries
  - test queries
  - utility analysis
  - refactor queries
-

# Relational diagram

