

Library Manager - LM

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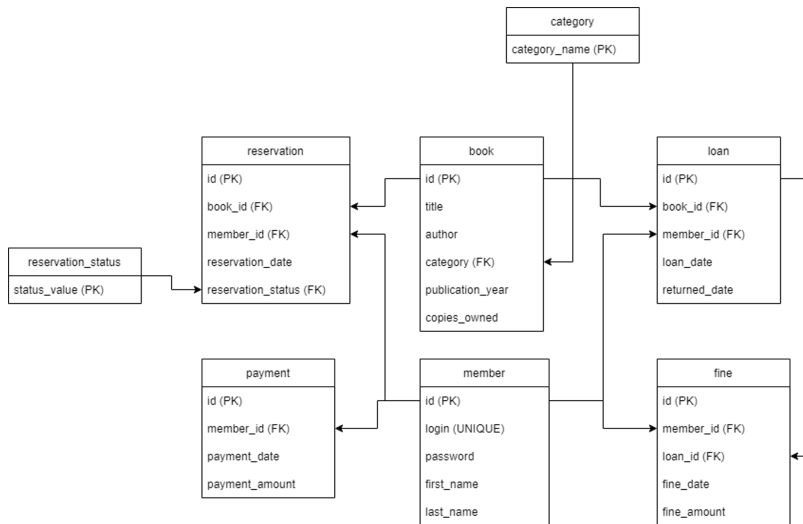
What it is:

It is an console app wrtiten in C# and a database created with PostgreSQL to simulate a library management system.

Database requirements:

- Each book has a unique ID number
- Members of the library can search for books by title, author, category, and publication year
- There may be more than one copy of a book owned by the library
- Members can borrow books, and the system will store the date that they borrowed the book
- Members can reserve copies of the books to borrow later, if all of the library's copies are borrowed by other members
- Fines can be imposed on members if books are not returned within 30 days of borrowing them.
- Memebers can pay the fines that have been added to their account.

Database design:



Application features:

- Login system
 - Member can:
 - Search for books by:
 - Title
 - Author
 - Category
 - Publication year
 - Borrow books
 - Reserve books
 - Be charged with a fine
 - Pay fines which were imposed on him
 - Check his account information:
 - Member info (look member table)
 - Books currently checked out
 - Check out history
 - Fines to pay
 - Payment history
 - Guest can:
 - Register a member account
 - Search for books in the database