PO - Book Collection & Review App

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Project Overview

Architecture & Separation of Concerns

Controller Layer
Menu/Console UI

Service Layer
Business Layer

DAO/Repo
Database Access

PostgreSQL Docker
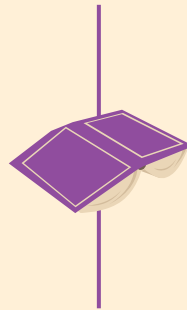**Container**

Domain Models & Persistence

User

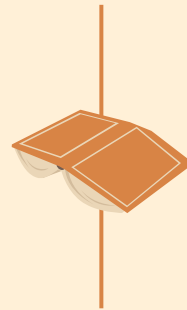Represents the visitors of the library, those checking out and reviewing books

Author

The creator of books, referenced in Book Table. Holds Author Name and AuthorID

Book

Book objects carry authorID, title, text, genreID. This class is apart of 2 one-to-many relationships
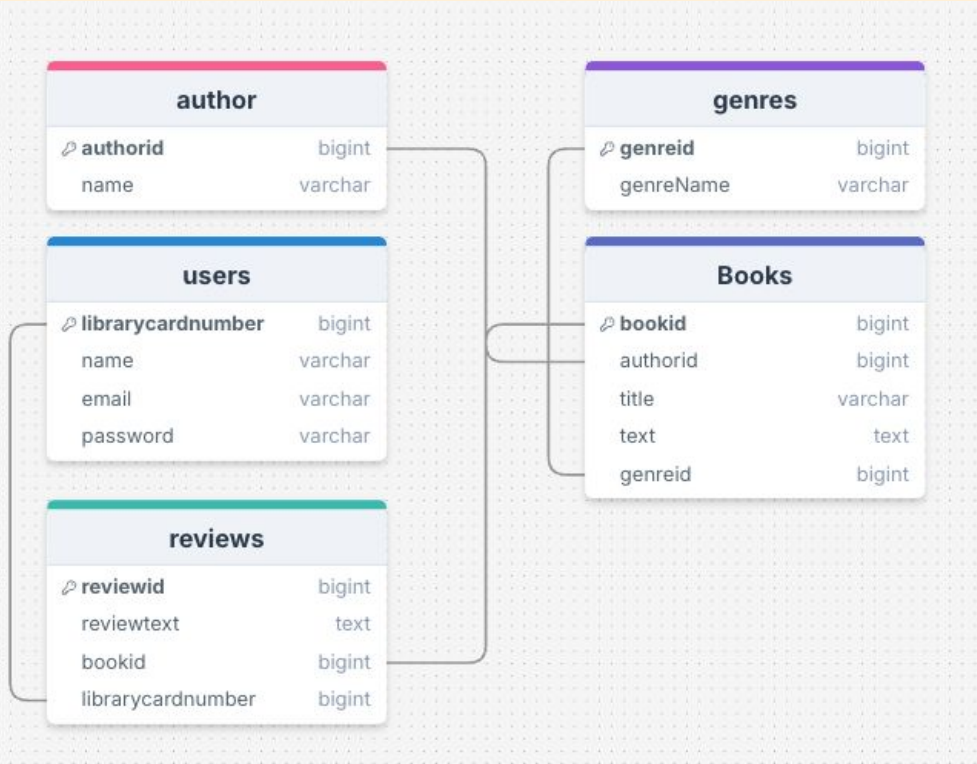
Review

The User's opinion of books, references both user as well as book

Genre

Stores all genres and the genreID of the books held in the library for sorting
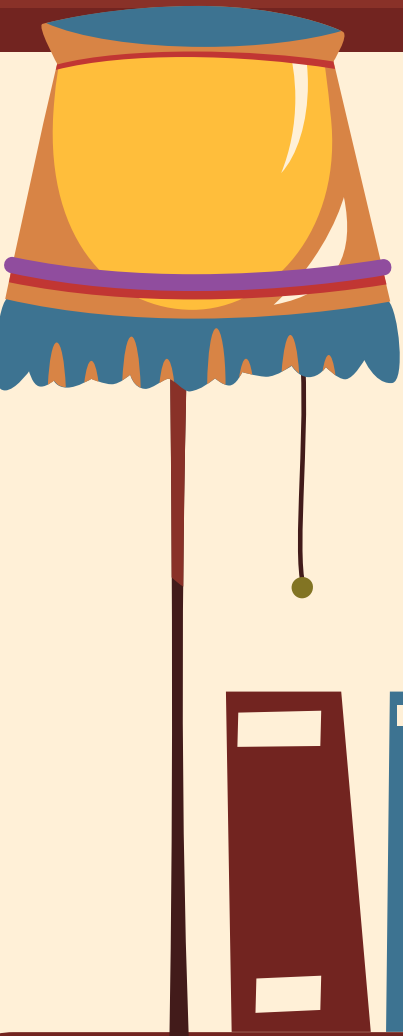
Relationships in the Database

Author/Book	Authors write books (1 to many relationship)
User/Book	Users read books (1 to many)
User/Book/Review	User reviews multiple books (1 to many)

Is It Normalized?

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Demo

Questions?

Thank You!