

Library management system

PAP project prototype, group 20

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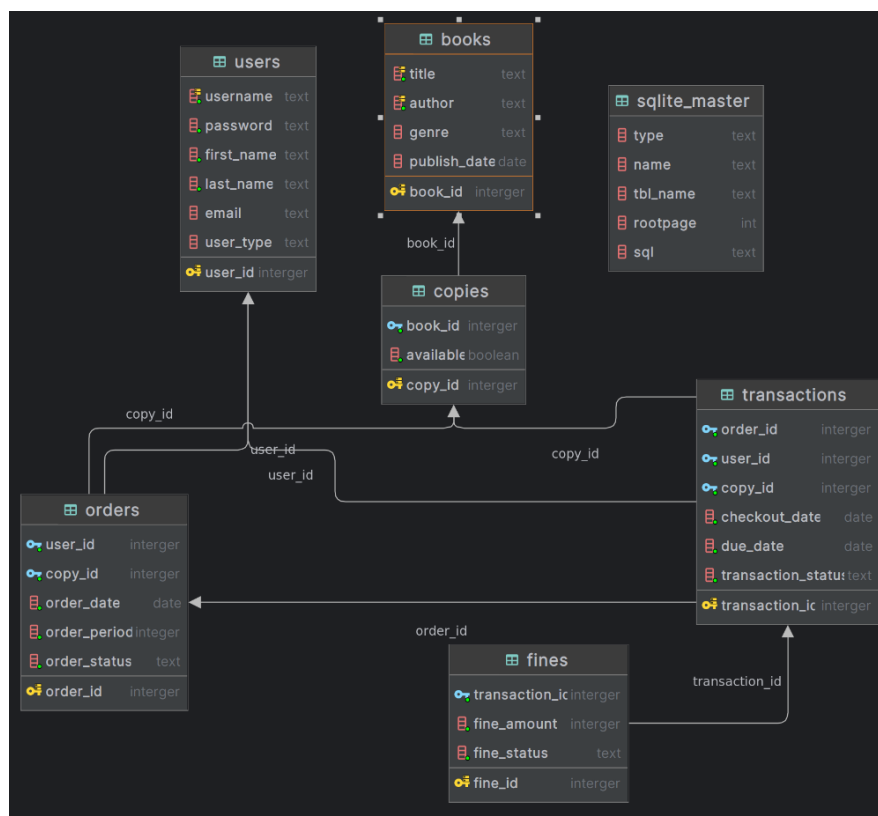
1. Description

The prototype is the first iteration of a library management system.

In this prototype, the user can create an account, login, and search for books in the database, which match the given title, author and genre keys given by the user.

The backend also allows for adding and removing books from the database, later to be used by admin.

2. Database model



3. Technologies

The database is file-based and created locally, using SQLite. Creation and initial data insertion made using .sql scripts.

The main program is created in Java 17. Project management done using IntelliJ IDEA.

User interface made using Swing.

We also made the first part of necessary tests using JUnit 5 (for Model and for Service).