Java Midterm Project

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Library System

01

Features

Features

Librarian

- Search Book
- Show List of Books
- Add Book
- Read Book
- Remove Book
- Edit Book

Regular User

- Search Book
- Show List of Books
- Read Book

Bonus Features

Filter Search

Sort List of Books

02

Challenges

Challenges

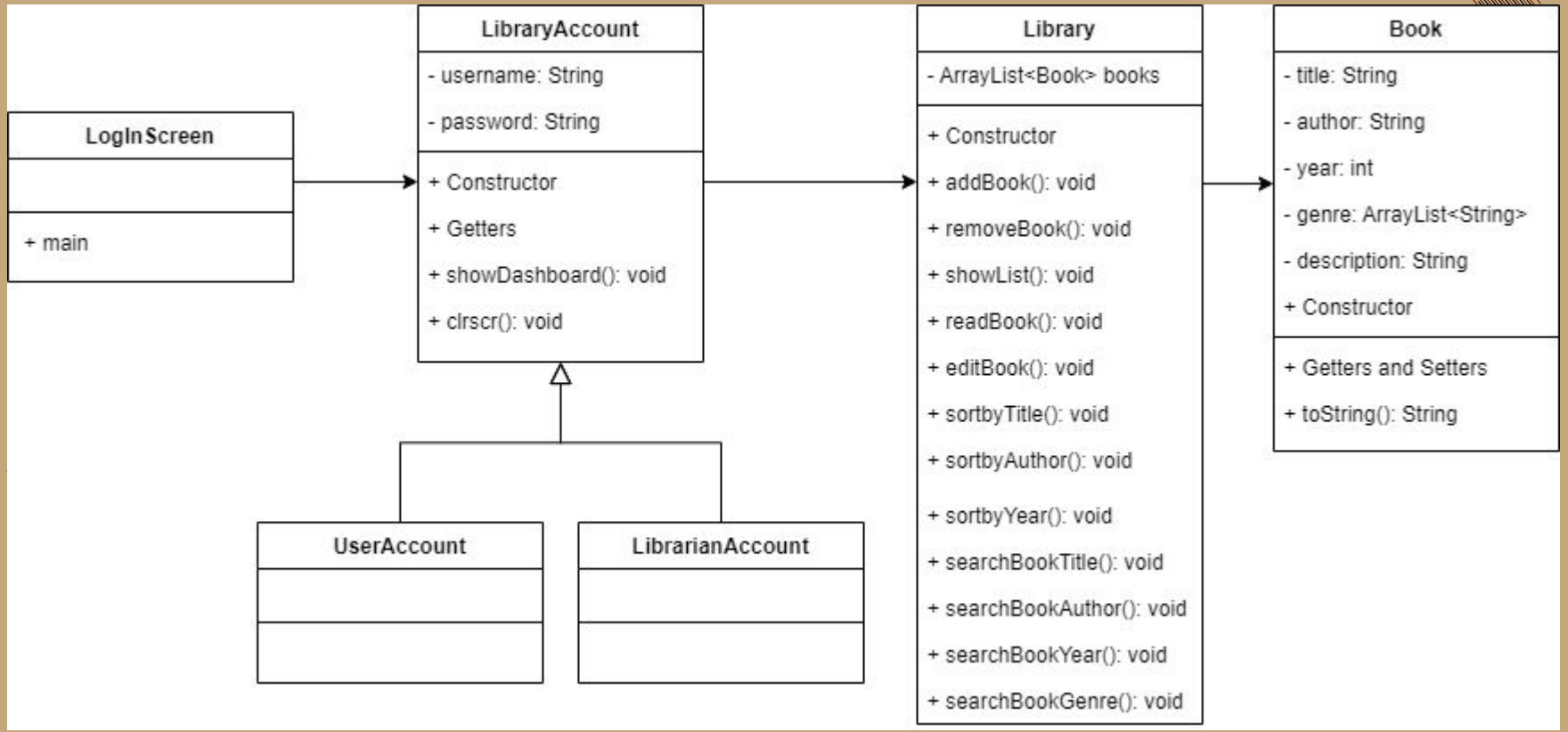
KEEPING TRACK OF INPUT

ADDING NEW FEATURES

REFACTORING

TOO MANY LOOPS

CODING WITHOUT A DIAGRAM


LogInScreen
+ main
LibraryAccount
- username: String
- password: String
+ Constructor
+ Getters
+ showDashboard(): void
+ clrscr(): void
UserAccount
LibrarianAccount
Library
- ArrayList<Book> books
+ Constructor
+ addBook(): void
+ removeBook(): void
+ showList(): void
+ readBook(): void
+ editBook(): void
+ sortbyTitle(): void
+ sortbyAuthor(): void
+ sortbyYear(): void
+ searchBookTitle(): void
+ searchBookAuthor(): void
+ searchBookYear(): void
+ searchBookGenre(): void
Book
- title: String
- author: String
- year: int
- genre: ArrayList<String>
- description: String
+ Constructor
+ Getters and Setters
+ toString(): String

03

Demo

THANKS!

Do you have any questions?

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