

E-Library System Readme

Overview

The E-Library System is a simple console-based application written in C that allows users to manage a library system. The program provides functionalities such as adding and deleting books, adding users, borrowing and returning books, managing reservations, giving book reviews, and displaying book information and reviews.

Features

1. ****Add a Book****

- Allows users to add a new book to the library catalog.

2. ****Display Books****

- Displays the list of books in the library catalog.

3. ****Delete a Book****

- Deletes a book from the library catalog based on the book ID.

4. ****Add a User****

- Adds a new user to the user records.

5. ****Display Users****

- Displays the list of users and their borrowed books.

6. ****Borrow a Book****

- Allows users to borrow a book. Checks for user and book existence and ensures a user cannot borrow the same book twice.

7. ****Return a Book****

- Allows users to return a borrowed book.

8. ****Add Reservation****

- Adds a book reservation to the queue.

9. ****Remove Reservation****

- Removes a book reservation from the queue.

10. ****Give Book Review****

- Allows users to give a review for a specific book.

11. ****Display Book Reviews****

- Displays all book reviews given by users.

12. ****Exit****

- Exits the program.

Notes

- Book titles and authors can be input with spaces. Use `fgets` for multi-word inputs.
- Book and user information are stored in linked lists.
- Reviews are stored in a stack data structure.