**Objective**

Create an API for a book rental service that allows users to search for books, rent books for a maximum of 2 weeks, return books, view rental history, automatically mark rentals as overdue, and send email notifications for overdue rentals.

**Design**

This is a backend task so no frontend is required, although the solution must be implemented in such a way that it could be integrated into a full stack application. The model/database design and table structure are yours to decide. Appropriate validation is expected.

**Requirements**

1. **Search for Books by name and or genre**

2. **Rent a Book**

3. **Return a Book**

4. **View Rental History**

5. **Mark Overdue Rentals**: Automatically mark rentals as overdue if not returned within 2 weeks.

6. **Email Notifications**: Send an email notification to users when their rentals become overdue.

7. **Stats to show the most overdue book, most popular and least popular Output**

Please send a return a github / gitlab link to your project.

**Sample CSV Books**

Here is a sample CSV file containing books that can be used to populate the database: Title,Author,ISBN,Genre

"The Great Gatsby","F. Scott Fitzgerald","9780743273565","Classics" "To Kill a Mockingbird","Harper Lee","9780060935467","Classics" "1984","George Orwell","9780451524935","Dystopian"

"Pride and Prejudice","Jane Austen","9780141199078","Romance" "The Catcher in the Rye","J.D. Salinger","9780316769488","Classics" "The Hobbit","J.R.R. Tolkien","9780547928227","Fantasy"

"Fahrenheit 451","Ray Bradbury","9781451673319","Science Fiction" "The Book Thief","Markus Zusak","9780375842207","Historical Fiction"

"Moby-Dick","Herman Melville","9781503280786","Classics"

"War and Peace","Leo Tolstoy","9781400079988","Historical Fiction"