

Library API

Assignment

Make an API for a Library. The API is later to be consumed by a PWA. The PWA is outside the scope of the assignment. The app needs to implement the user stories from the backlog. The backlog is prioritised based on business value.

Backlog

As an unauthenticated user of the API

I want to retrieve a list of all available books in this library

In order to know which books I could loan

As an unauthenticated user of the API

I want to get all details for a specific book

In order to determine if this is the book I'm looking for

As an authenticated user of the API

I want to loan a book ("reserve") from the library that hasn't been reserved yet

In order to pick it up and read it

As a user

I want to be warned via e-mail when the loan term of a book I've loaned expires within 5 days

In order to avoid having to pay late fees

As an admin of the API

I want to let the system know that a book has been returned in person

In order to update the administration and not incur late fees for a user

As an unauthenticated user of the API

I want to retrieve all books in the library of a given author

In order to see which books in the library were written by this author

As an unauthenticated user of the API

I want to sort the books based on rating or publication date

In order to prioritise the list according to my preferences

As an unauthenticated user of the API

I want to see all books that were published before 2015

In order to filter the list according to my preferences

As an authenticated user of the API

I want to return a book after I loaned it from the library

In order to make it available to other users for loan again

As an unauthenticated user of the API

I want to view a list of books of authors that have deceased

In order to filter the list according to my preferences