# Personal Library App

Description

A user can manage a list of books. When opening the app, you are presented with the list of books. You can add a new book and give it a rating (1 out of 5) and a description with notes from the book by pressing on the plus button. The user can edit or remove a book by clicking on it. A new screen appears with the information of the book and the edit and delete button.

Domain details

The book entity has the following fields:

- an id that is unique used when removing or editing a book
- the title of the book
- the author
- the year in which the book was released
- a description in which the user can write their opinion on the book
- a rating that is between 1 and 5 stars

CRUD

- Create

  The user has to press the plus button on the main page in order to add a new book to the list. After pressing on the button, a new page opens in which the user has to add the title, author, year of release, rating and optionally a description for the book. Then the user needs to press the save button and the book is added to the list and can be visible on the main page.

- Read

The read operation is performed when first opening the app and all the books need to be retrieved from the database. It is also performed when clicking the edit button on a book to retrieve current information about that specific book.

- Update

  The user has to click on a specific book. A new screen with the current information of the book and the buttons to edit or remove book. When clicking on the edit button the fields are no longer readonly and can be edited.
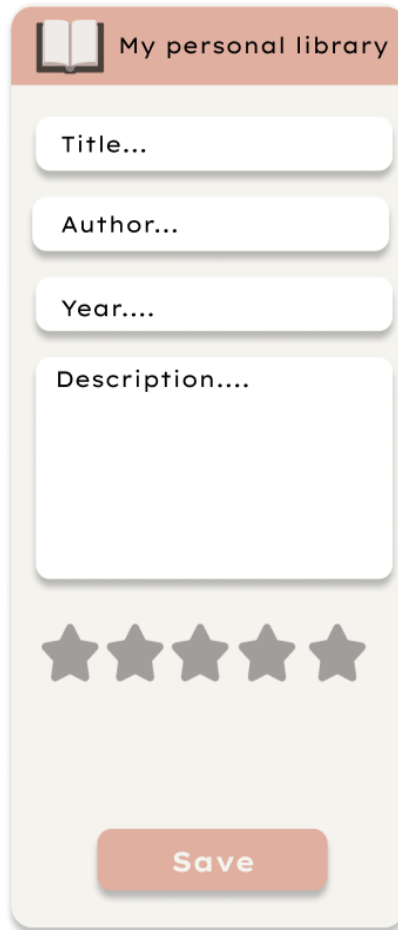
- Delete

  To delete a book the user has to press the trash button next to the edit one. When clicking on it a pop-up appears making sure that the user wants to remove the book from their list.

Persistence details

All operations are persisted both on the local db and on the server when the device in online.

Offline device

When adding, editing or deleting a book the change will be made on the local db. When the device is back online, they will be also sent to the server. For reading we will also retrieve information from the local db.

## My personal library

Pride and Prejudice
Jane Austen

The Shining
Stephen King

Crime and Punishment
Fyodor Dostoevsky

The Book Thief
Markus Zusak

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## My personal library

Title...

Author...

Year....

Description....

★ ★ ★ ★ ★

Save

## My personal library

Pride and Prejudice

Jane Austen

1813

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation....

Edit

Delete

Save