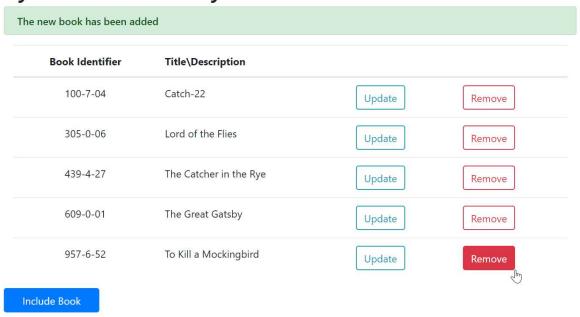
- 1) Confirm that you have the following tools installed:
  - Java Development Kit;
  - Eclipse for Java Developers\*;
  - Node.js and npm (Node Package Manager).

- 2) Run <u>Spring Boot</u> on Eclipse by running FullstackWithMavenApplication.java And here you can see the API response: <a href="http://localhost:8080/users/myPersonal/books">http://localhost:8080/users/myPersonal/books</a>
- 3) Initialize the frontend in <u>React</u> with the following command (it is inside this folder: frontend-react-fullstack). You can use the InitializeReact.bat for this.
- 4) Open the application for managing your Personal Library: <a href="http://localhost:3000/books">http://localhost:3000/books</a>

## **Application's Initial Page**

## My Personal Library



## **Architecture**

- For this application, the Database is a static list in-memory;
- RESTful API is exposed using Java Spring Boot<sup>1</sup>;
- The frontend is in React and it consumes the aforementioned REST API.

<sup>\*</sup>It includes the integration with Maven, which is a popular build and dependency resolution tool for Java, like NPM is for JS.

<sup>&</sup>lt;sup>1</sup> It lets you create standalone applications that run on their own, without relying on an external web server. In this component, the Apache Tomcat web server is embedded during the initialization process, thus exposing the REST API.