

Attached you may find Library API.

An API developed to handle a Library's operations.

It supports all functionalities for Books / Librarians / Clients / Lendings.

Given the requested basic authorization implemented in the project, there are 2 users.

```
1. Librarian {  
  Username : librarian  
  Password : 1234  
}
```

A Librarian can access all of Library's functions, such as:

- **Books:** Create / Retrieve / Delete a Book
- **Librarians:** Create / Retrieve / Delete a Librarian
- **Clients:** Create / Retrieve / Delete a Client
- **Lendings:** Create / Retrieve / Update a Return Date of a Lending / Delete a Lending

```
2. Client {  
  Username : client  
  Password : 1234  
}
```

A client can **only** access the following operations:

- Retrieve All Books.
- Retrieve a Specific Book .

In order for the App to be deployed you need to run the following command .

Inside the directory of the project :

```
docker-compose up
```

This will first create a DB named library , which will allow the API to communicate with.

It then builds the war file using Maven and deploys it on Tomcat Server - (DockerFile).

You may also find in addition :

1. OpenApi documentation – (file -> **openapi.yaml**)
2. Postman Collection of Requests – (file -> **LIBRARY.postman\_collection.json**)

App listens on port :

**http://localhost:8888/library/**