

**TECHNOLOGIES
USED**

FEATURES

BOOK SERVICE

**USER JWT
SERVICE**

**OTHER REST
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THANK YOU

BOOK APP

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INTRODUCTION

Book App is a Spring Boot Application which allows users to:

- search all the available books.
- search a book by book name.
- get book recommendations based on book genre and author.
- create a user profile(registration)
- access the user profile(login)
- add/delete books as favourites.
- update password.
- delete user profile.

TECHNOLOGIES USED

- Middleware: Spring Boot
- IDE: IntelliJ
- Programming Language: Java
- VCS: Gitlab
- Front end: Postman
- Database : MongoDB/MySQL
- Testing: Junit, Mockito
- Documentation: Swagger

FEATURES

Authentication

- Registration using user details.
- Login using username and password.

Without authentication

- User can access all available books.
- User can search for a particular book using book name.
- User can view book recommendations based on book genre and author.

With authentication

- User can add/delete a book as favourite(after authentication).
- User can delete his/her profile.
- User can update password.

BOOK SERVICE API

Book properties

- int book_id
- String book_name
- String book_summary
- String book_genre
- int book_page_count
- String author_name
- String author_about
- int likes

Services

- Get all books.
- Search book by book_name.
- Get recommended books based on book_genre and author_name.

Book Service module also includes:

- Log file(book-service.log)
- Documentation using swagger.
- Exception handling.
- Test cases.

USER JWT SERVICE API

User Properties

- String username
- String password(encrypted)
- String Email
- String Firstname
- String Lastname
- List<Book> Favourite_books

Services

- Register
- Login(authentication using JWT and token is generated)
-

- Add a favourite book by passing book name.
- Update password of the user.
- Delete the user profile by passing the credentials.

User JWT Service module also includes:

- Log file(user-jwt-service.log)
- Documentation using swagger.
- Exception handling.
- Test cases.

EUREKA SERVER

- Book service and user jwt service are registered into the Eureka server.

API GATEWAY SERVICE

- This will accept all application programming interface (API) calls(of book-service API and user-jwt-service API), aggregate the various services required to fulfill them, and return the result.

CONCLUSION

We have successfully implemented a book app API with the previously mentioned functionalities.

THANK YOU