TECHNOLOGIES **FEATURES** OTHER REST **BOOK SERVICE USER JWT** USED SERVICES SERVICE INTRODUCTION CONCLUSION **BOOK APP** BY ANUPAMA SURESH **IRENE JOSEPH** THANK YOU CONTENTS PARVATHY AJAYAN

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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
- · Frond end: Postman
- Database: MongoDB/MySQL
- · Testing: Junit, Mockito
- Documentation: Swagger



FEATURES

Authentication

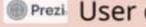
- Registration using user details.
- Login using username and password.

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.



Prezi 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 bookservice 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

