**Project Summary**

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Project Name: Book Shop

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**Project Details:**

**Book Shop** is a Spring Boot Application with MySql as a database.

This project aims to provide facility to customers to purchase book online anytime and anywhere.

Customer can register and can login. Customer can view all the books available or search for a particular book and purchase it.

The Project allows administration to add new book. Administration can also update a book information or delete a book.

**User Controller:**

|  |  |
| --- | --- |
| **URL EXPOSED** | **PURPOSE** |
| user/register | To Register a User |
| user/login | To Login Registered User |
| user/getAllBooks | To view All Books |
| user/getbookbyname/{bookName} | To search book |
| user/placeorder | To purchase a book |
| user/getallorders/{userId} | To view all orders of a User |

**Admin Controller:**

|  |  |
| --- | --- |
| **URL EXPOSED** | **PURPOSE** |
| admin/addbook | To Add a Book |
| admin/getAllBooks | To View all books |
| admin/delete/{bookName} | To delete a book by its name |
| admin/getbookbyname/{bookName} | To search book by name |
| admin/updatebook | To update a book |
| admin/getAllOrders | To view all Orders |
| admin/getAllUsers | To view All Users |

**Use Case Diagrams:**

**Diagram

Description automatically generated**User:

Admin:

**Diagram

Description automatically generated**

**Diagram

Description automatically generatedER Diagram:**

**Project Flow:**

1. Admin should be inserted first into the database.
2. A user should be registered.
3. After Registering user can see all the books, can search a book by its name and place an order.

**Suggestions:**

1. While showing details of Users to Admin, unwanted data should not be displayed to Admin.