Booklist

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Description

Booklist addresses the needs of the avid reader who can't remember what they want to read, what they read, and how they reacted to the books they read. The program uses Java, Thymeleaf, CSS, and HTML. It allows users to add book titles and authors to a list, view the entire list of books read and unread, and view by rating or unread lists.



Features

- New users are able to signup for an account
- Returning users login
- Once logged in, users can:
 - Add books
 - Edit books
 - Delete books



Planning - User Stories

Users can login to their own account. Users can add, edit, and delete books in their own list. Users can rate books or indicate they are unread, change the rating, and view books by rating category. Users can logout when finished, saving their lists until the next session.



Planning - Database

Model classes / tables:

- User represents generic user class (via one-to-many relationship)
- Books has list of books and book ratings returned by user
- BookRating has ratings of books (via many-to-many relationship)



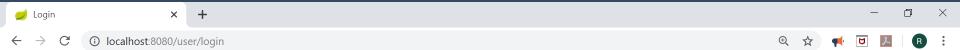
Technology Stack

- Java
- Spring Boot with Thymeleaf templates
- Bootstrap (version 4)
- MySQL



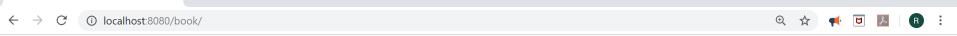
Demo





Login

List	Rating Categories	Logout
Username		
Password		
Login Add New User		



My Books

List Rating Categories			
<u>Title</u>	<u>Author Name</u>	Rating	Edit Entry
Anne of the Island	LM Montgomery	To Be Read	Edit
A Christmas Carol	Dickens Full-scree	Loved it! Would read again.	Edit
20,000 Leagues Under the Sea	Jules Verne	Loved it! Would read again.	Edit
Moby Dick	Melville	Couldn't finish it	Edit
Mary Berry's Cookbook	Mary Berry	To Be Read	Edit

Add A Book | Remove Book From List





My Books

















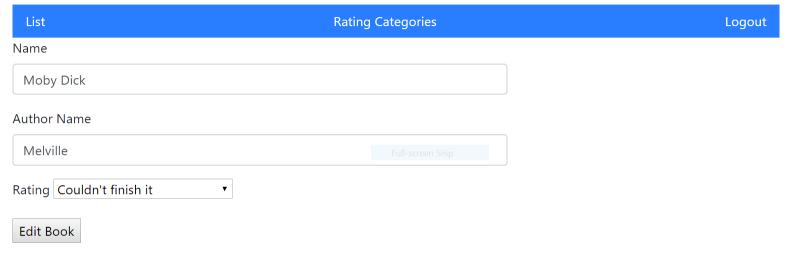








Edit Books: Moby Dick (id = 46)























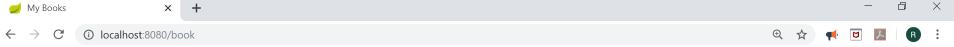








Edit Books: Moby Dick (id = 46) X +



My Books

List	Logout		
<u>Title</u>	Author Name	Rating	Edit Entry
Anne of the Island	LM Montgomery	To Be Read	Edit
A Christmas Carol	Dickens	Loved it! Would read again.	Edit
20,000 Leagues Under the Sea	Jules Verne	Loved it! Would read again.	Edit
Moby Dick	Melville	Hated it	Edit
Mary Berry's Cookbook	Mary Berry	To Be Read	Edit

Add A Book | Remove Book From List































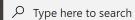
Books in Category Hated it



Add A Book | Remove Book From List

Full-screen Sni





Books in Category Hated it













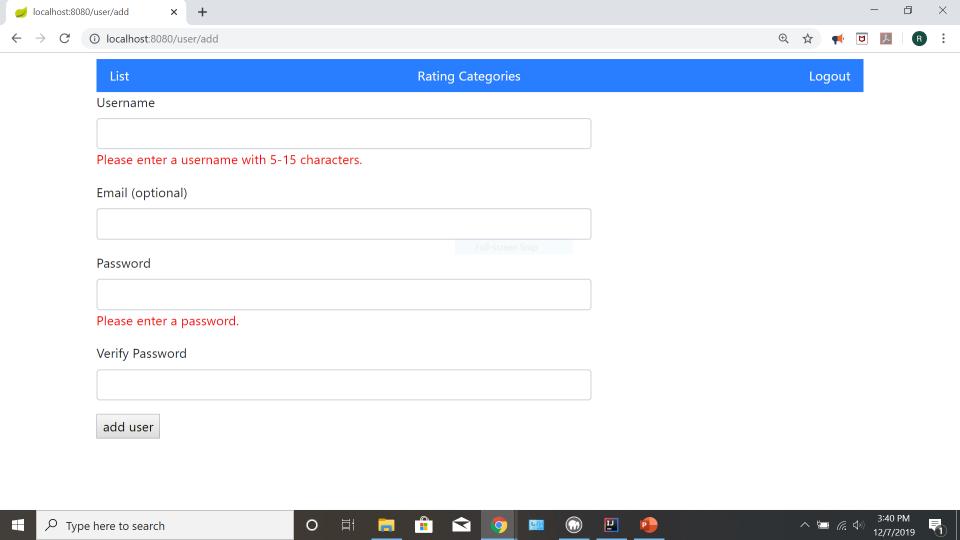


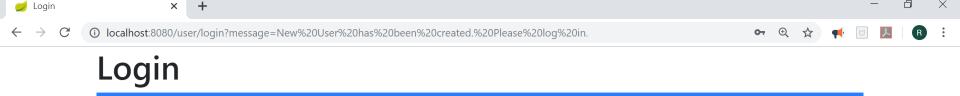














New User has been created. Please log in.

Login Add New User





























What I Learned

- Bootstrap version 4
- New technique (for example, connecting to an API or creating an admin dashboard) This is the most complicated project I have built, with both one-to-many and many-to-many relationships and frontend styling.
- Creating a user account and viewing user-specific content by user was new. I learned how to use cookies in Java and use exceptions.



What's Next

- Add an API so users can search for books to read. I don't know how to do this, so I need to find tutorials to help.
- More Bootstrap practice so I can make a fancier user interface. W3Schools has a course
 on this.
- Get comfortable using version control, branches, and managing merge conflicts. Many
 of my roadblocks were due to lack of knowledge of how to use version control in IntelliJ.
- Once there are more than a dozen books, the list needs to be organized. I want to be able
 to view books alphabetically by author. I don't know how to do this, so I need to do
 some reading on Java and MySQL.

