

Book Subscription App

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Description

My bookstore subscription app makes it easy for bookstore owners to keep track of their monthly book club subscribers.

Bookstore owners (users) can add, edit, and delete customers from a database, ensuring the data is preserved and can be accessed at any time by any employee with appropriate credentials.

Ultimately, an app like this could be used for any type of subscription service (e.g. wine, flowers, magazines, etc.).



Features

- Owner Authentication
- Add Customer
- Edit Customer
- Delete Customer
- View All Customers
- Search Customers (name, email, state)



Planning - User Stories

Authentication will ultimately allow for multiple bookstore owners to use this application.

Edit customer functionality easily allows for users to update customers' addresses when they change addresses.

Search customer functionality easily allows for users to pull up customer data based on specific search criteria.



Planning - Database

The tables in MySQL Workbench ultimately mirror each customer field as a user inputs them (name, street address, city, etc.).

There is also a separate table to store registration credentials for any user who wishes to use the application.



Technology Stack

- Java
- Spring Boot
- Thymeleaf
- Bootstrap
- Hibernate



Demo



What I Learned

- Worked with Bootstrap cards to create more user friendly customer displays.
- Used Thymeleaf view to auto-populate customer data in order to easily update information.
- Created CRUDRepository methods to easily search customers by last name, email, and state.



What's Next?

- Utilize Java Date class to establish subscription length time frame and ultimately queue up alerts for lapsing subscriptions.
- Need to write JavaScript for pop-up message that asks users if they're sure they want to delete a customer.
- Would like to utilize Google Books API to include book data for the subscription (title, ISBN, author, etc.).

