

# Books Sell Back

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# Description

At the end of the semester college/university students want to sell their books. They do not know whom to sell it to to make quick money. So they rush to the bookstore to sell their books back to the bookstore. The bookstore buys them back for pennies on the dollar. As a result of this students lose a lot of money.

This application allows students to sell books in their same zip code.



# Features

- User can add a zip code.
- Register a user account and log in to their account
- Add, update, delete books.
- Find book by keyword search in a specified zip code.
- Buyer can send contact the seller.
- Seller can respond back to the buyer.



# Planning - User Stories

- 1) User A wants to sell his book. He goes to Books Sell Back webapp and creates an account. He then logs in and lists his book .
- 2) User B wants to buy a book. He goes to Books Sell Back and creates an account. Then he searches for his book in his zip code and finds User A's book in the same zip code.
- 3) User B contacts User A and writes a message that he wants to buy his book.



# Planning - Database

## Tables

- 1) User - buyer and seller
- 2) Zip code - A user is associated with one zip code.
- 3) Book - Many books can be associated with one user. Also, many books can be found in one zip code.
- 4) Message - Many messages can be sent to one user.



# Technology Stack

- Java
- Spring MVC
- Thymeleaf
- Hibernate
- BootStrap. Java Persistence API.



# Demo



# What I Learned

- Include Spring Security to the application and to restrict the access to pages.
- To make relationship between Java Beans.
- Git Branches, Merging, Revert to To Local History, Push Conflicts.





# What's Next

- Users would be able to find books by author .
- Also, Find books in a particular college/university
- Integrate Google Map API so buyer can get an estimate of distance between him and the seller.
- Seller gets email from the buyer (Mandrill API).
- Seller will be able to upload pictures of the books.
- PayPal Account.

