

# Bookmark

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# Description

Bookmark serves as a digital library for teachers to manage their classroom's books. It includes a database of the teacher's personal collection of books, classified by title, author, description, and if applicable, the name of the student who has checked out the book.

This tracking systems allows teachers to hold students accountable for any book(s) they “check out” from the teacher's collection.



# Features

- Add book(s) to library, including a title, author, and description.
- Assign each book to one student at a time.
- Remove inventory that is outdated or has been lost or stolen.
- See a list of all books, including who has checked out what.



# Planning - User Stories

- As a teacher, I want to be able to add books so that I can keep my inventory current.
- As a teacher, I want to add a student's name to the book entry to see who has checked out the book.



# Planning - Database

The “book” database stores book titles, authors, descriptions, and student names.

A later version may include a database of student names via a roster, which would allow a teacher to select (from a drop-down list) who has checked out what book.



# Technology Stack

- Language: Java
- Framework: SpringBoot
- Template engine: ThymeLeaf
- Database engine: MAMP



# Demo



# What I Learned

- How to save edited fields (i.e., make the changes persist)
- How to validate edited fields
- New CSS





# What's Next

- Creating user logins
- Creating a roster entry form, so teachers can select a student's name instead of typing it in each time
- Improved UI

