

Group

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Description

We propose creating a Library management system where students can purchase books. The students can register and then log in to the library management system. Search for a particular book and filter through the booklist by sorting them according to prices/author names. Purchase desired Book and receive an email notification for the same. We will use spring-boot in the backend and Html, and CSS for the front end.

Tech Stack:-

UI- HTML, CSS , Thymeleaf

BACKEND- SpringBoot, java Spring JPA, Postgres (Database)

Functionalities

- ❖ Creating Student Profile- Students can create their profile with student details like name, email, ID, etc. If an already registered email id is used to register then throw an error. Only new user emails are allowed to be registered
- ❖ Log In- Once a student has been registered then allow the user to log in with the correct credentials
- ❖ Updating Student profile- Allow current logged in user to view/update their details
- ❖ Adding new book: Allow admin to add new book
- ❖ Deleting book: Allow admin to delete the book
- ❖ Search books- searching for a particular book in the database
- ❖ Sort by book title- view books sorted by title
- ❖ Sort by Author- view books sorted by Author
- ❖ Sort by Price- view books sorted by Book Price
- ❖ Purchasing Books- functionality where students can purchase a book
- ❖ Sending email receipt – after purchasing the book user will receive an email notification about his purchase

Architecture

