

Problem Statement:

Managing a record of books present in a library along with the ones that have been checked out and those returned back so as to track the movement of books in a library. Create REST APIs for these functionalities.

Tech Stack: Java, Spring boot, JPA , PostgreSQL.
Code to be pushed on to Github.

Requirements:

- DB setup for the application.
- Users of the library can view all the books in the library.
- ISBN is used to maintain the uniqueness of the books.
- You can search for books by book name or author name.
- Once a book is selected, the user can check it out of the library.
- The default return time can be set to 7 days.
- The user can return a book at any given time.
- The librarian can add books to the library.
- The return time can be extended by the librarian.
- The librarian can choose to discontinue a book.
- There can be multiple copies of a book.

Evaluation Criteria:

- TDD process to be implemented.
- APIs to have sufficient documentation.
- Logical understanding and implementation of the solution.