

Source code

<https://gitlab.cs.ut.ee/tenman/esi-project>

Security aspects

REST API is secured by Spring Boot Security with JWT

Role	Description
LIBRARIAN	<ul style="list-style-type: none">• Customers must be able to register at the librarian. For this they need to provide their name, address, email, phone number and ID. The system must check the ID.• Customers must be able to return books by coming in and handing the book to the librarian. If the deadline has passed then the customer has to pay for the fine.• If a book is returned, the system must check whether the deadline for the book has passed.• Also LIBRARIAN can do everything that CUSTOMER can do.
CUSTOMER	<ul style="list-style-type: none">• Customers should be able to register to the system online and provide personal information such as described above.• On our online platform customers must be able to browse through the catalog containing all of our books.• On our online platform customers must be able to see the status of a book - whether it is available for rent or unavailable.• On our online platform customers must be able to reserve a book for themselves. This will change the status of a book to unavailable for a day.• Customers must be able to come into our library, pick out a book and rent it. To do this they must provide their account information.• If a book is returned, the system must check whether the deadline for the book has passed.• The online platform must show the history of rented books to the customer if they are logged in.

	<ul style="list-style-type: none">• The online platform must show the current rented books and their deadlines to the customer.• Customers must be able add a payment card in order to pay their fine online.• The customer should not be allowed to book or rent a book if they have a fine on their account. This must be paid before a new book can be rented.• The system allows the librarian to insert a book by providing a certain title, an author, a release date and a reference number.• The system must allow the librarian to remove the fine from a customer's account if they pay by cash on site.• The system must allow the librarian to change the status of a book. If a customer calls to reserve a book then a librarian can change an available book to unavailable. And also the other way if a customer wants to remove their booking.• The system must allow search for books by title, author and filtering books by status, by language, by year, by review etc.• The system must allow customers to reserve books for a day. This will change the book's status to unavailable for a day. If the person rents it out during the day then the status time will be extended.• The system must allow a librarian to remove a book if it has gone missing or been destroyed etc.
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