

Use case documentation for “issueBook” use case.

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Goal: wants to issue a book.

Preconditions: Since the books are issued to the registered students of the institute, students must be registered and logged in to the system.

Primary Actor: Student

Stakeholders: Student, Librarian

Basic flow:

1. Login into the system
2. Search for books by their name, author name, ISBN number, etc.
3. The system checks the availability of the required books.
4. If the book is available then the student will request an issue.
5. The Librarian will then check the request and process it.
6. Once the book is successfully issued, the system will then show the due date of that book.
7. Check the remaining issues available.

Alternate flow:

- 1a: Login fails: student is not registered.
- 1b: Login fails: students entered incorrect credentials.
- 3a: The required book is not available
- 5a: Librarian denies issue request due to several reasons.

Success End Condition: The book is issued successfully by the student for a specific period of time. The librarian has added the book's entry in his/her system.

Failure end condition: The book is not available for the issue process, and the student is not able to issue it.