

Use case Documentation for “IssueBook”

Group 21

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- **Identifier:** IssueBook
- **Name:** Issue a book.
- **Authors:** Developers
- **Goal:** To issue and get a book (if available)
- **Preconditions:** The student should be part of the institute & should be verified as part of the Library management system. Requested material should be available. Also, the student should not be exceeding the limit for the number of books allowed for the issue.
- **Postconditions:** The library management system should issue a book and mark it in the database along with the due date. If the book is not available or the student has reached the limit, the appropriate message of reason should be given.
- **Primary actor:** Student
- **Participants (secondary actors):** (i) Librarian (ii) Library Database
- **Related requirements:**
 - Functional : (i) Login (ii) Search a book (iii) Issue book (iv) Get availability of a book
 - Non-Functional : (i) Authentication, (ii) Reliability, (iii) Scalability, (iv) Responsive, (v) Availability (vi) Privacy , (vii) User friendly interface.
- **Related use cases:**
 - Register
 - Login
 - Search & check availability
 - Return
 - Check limit of student
- **Description of events**
 - The student will send a request to issue a book.
 - Then the system will send the request to the librarian.

- The librarian will check the availability of the book by looking at the database.
- If the book is available & the student is not exceeding the limit of books to issue, the student will get the book with the due date and the database will be updated.
- Otherwise, the request will be pending & the student will get an appropriate message.