

Actors: 1) Librarian
2) Students

1.] Student wishes to issue a Book:-

- Login into the system
- Wishes to search for a book
- Goes to Visit Librarian

2.] Librarian will move forward with the issuing of the book:-

- Issues the Book and marks due date.
- The "Issuing of the Book" happens after the Librarian validates if the student is a valid user or not.
- And also validates if the student, issuing the book, isn't exceeding the number of books a student can issue at once.

Use Cases:

1)

Name: Login

Actor: Student and Librarian

Goal Description: Login to the system to avail use of the system

Pre-Conditions: College domain email id is required.

Description: Login is needed to authenticate an actor uniquely and to use the system functions. It will separate the library staff and students.

2)

Name: Issue book

Actor: Student and Librarian

Goal Description: To issue the book administered by one of the librarians.

Pre-Conditions: Login

Description: If a user wants to issue a book, he/she can do it after logging in to the system. The librarian will have to check the availability of a book and the librarian also has to verify the student in order to issue a book.

3)

Name: Search Book

Actor: - Student

Goal Description: - To be able to look for a specific keyword related to the book.

Pre-Conditions:- None

Description: - If a user wishes to look for a book, he/she can do so by looking up a specific keyword related to the book. Any user can avail to this feature.

4)

Name: Return Book

Actor: Student and librarian

Goal Description: To return a book

Pre-condition: login

Description: When the due date approaches, the student must return the book, through the librarian where, the librarian will cross-check the credentials of the student under whom the book was issued and also check if they were overdue or not, and if so, charge a fine, accordingly.

5)

Name: Maintenance of Returned Material

Actor: Librarian

Goal Description: To keep the online database upto date

Pre-Conditions:- logged in as The librarian

Description:- Once a student issues a book, the librarian is in charge of updating the database on the availability of the book and adding new books to the database as well.