Library Management System   group 31

Student

Librarian

Login

Issue a book

<<include>> Availability of the book

<<include>> Verification of the student

Return Book

<<extend>> Late fees

<<include>> Due date varification

Maintenance of returned material

Search Book

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.

<u>Use Cases:</u>

<u>1)</u>

    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.
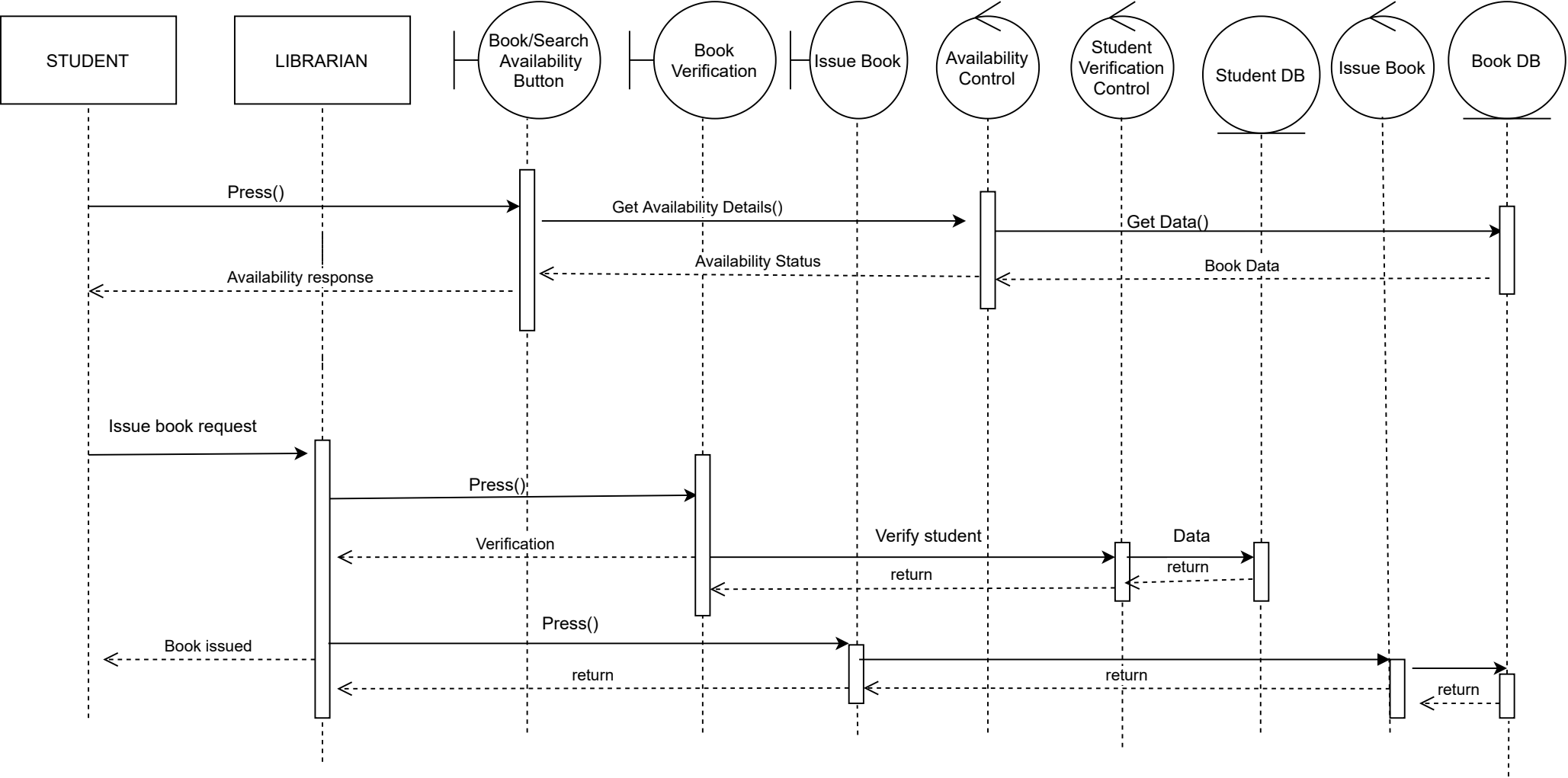

5)
 Name: Maintenance of Returned Material
 Actor: Librarian
 Goal Description: To keep the online database upto date
 Pre-Conditions:- logged in as The librarian
 Description:- Once a student issues a book, the librarian is in charge of updating the database on the availability of the book and adding new books to the database as well.

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