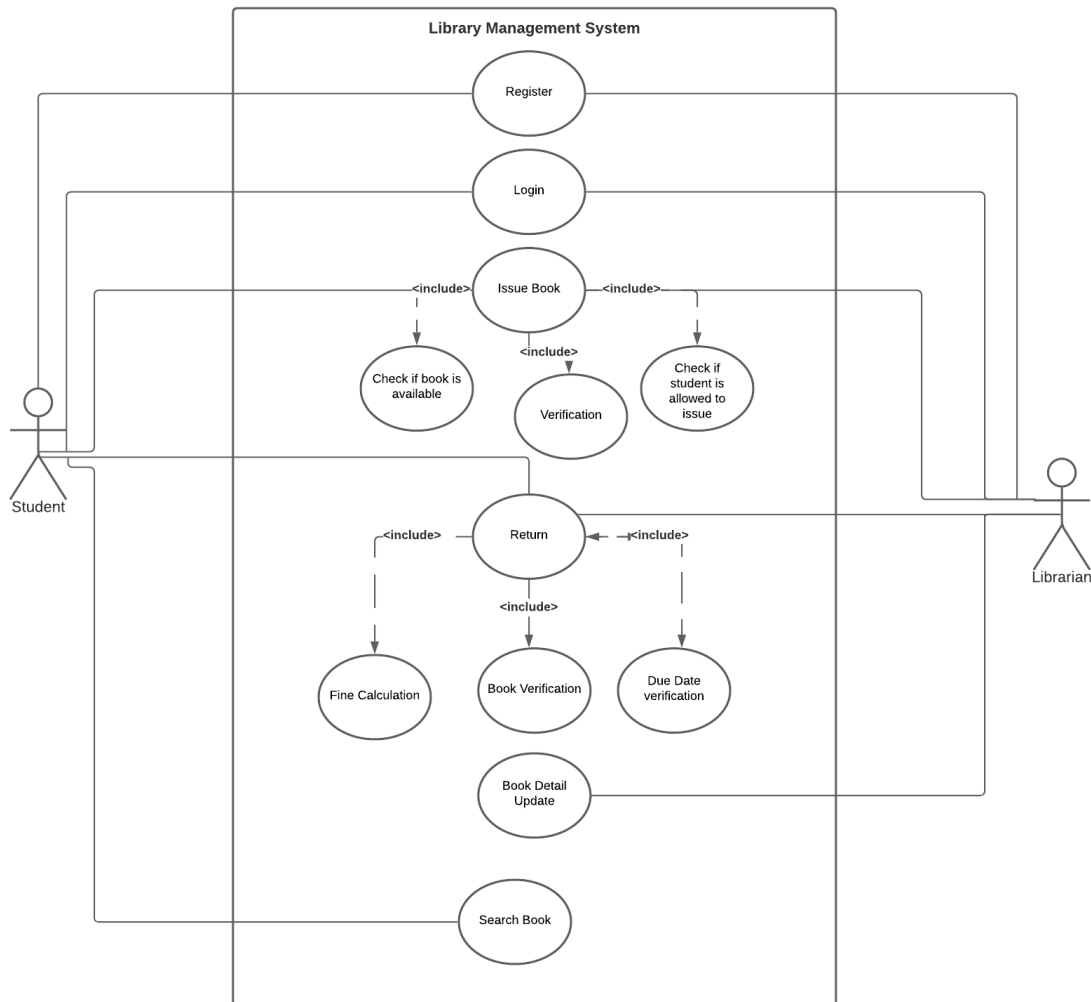


IT314: Software Engineering Lab 7

Group 16

1. Complete the use case diagram for the above problem text along with use case documentation for “issueBook” use case.



Actors: Student and Librarian.

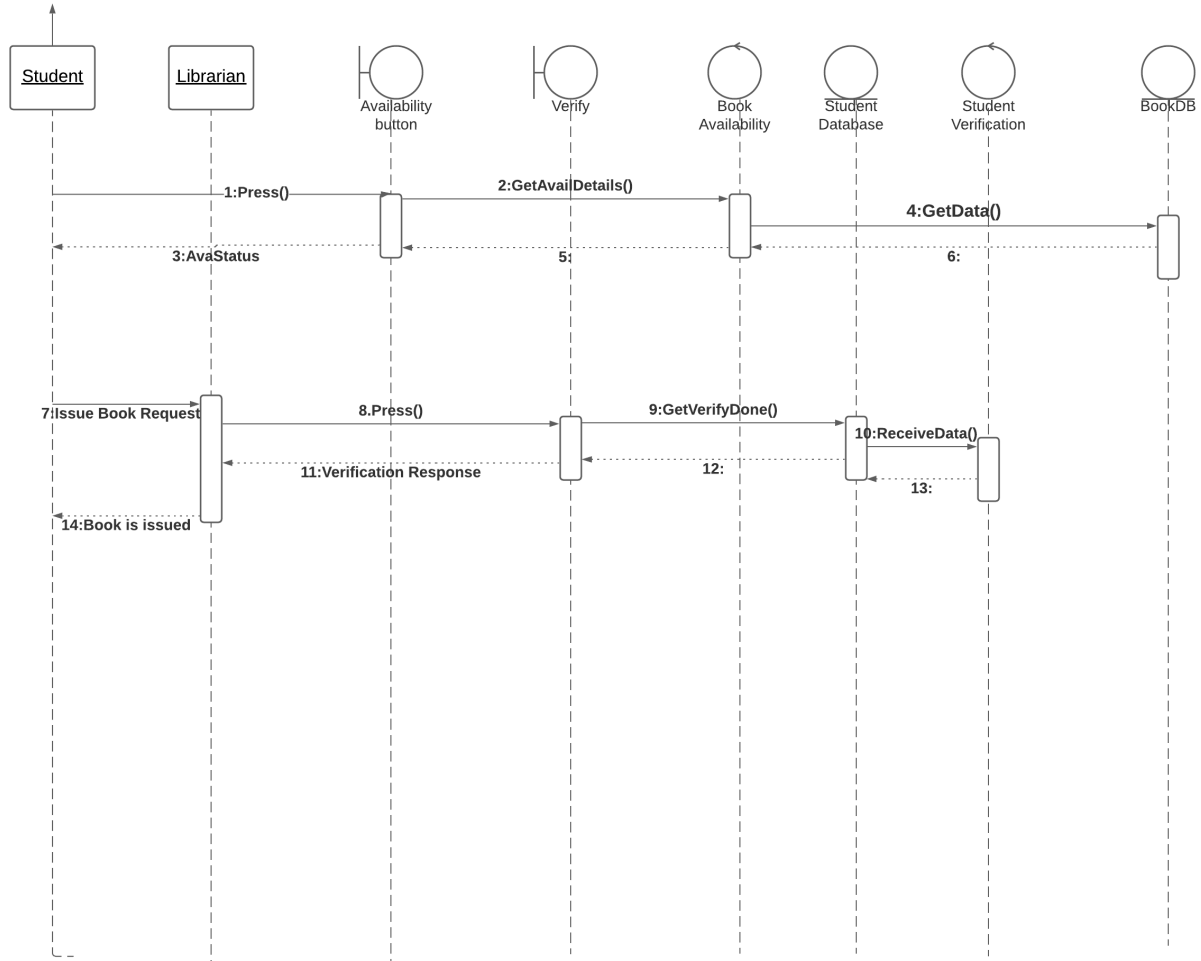
- Text Description for Issue

1. For Student:

- a. Student can login to the system

- b. Student can search any book
 - c. Student can visit to Librarian
- 2. For Librarian:
 - a. Librarians need to check if the book is available or is booked by any other student.
 - b. Librarians need to verify the details of the student.
 - c. Librarians need to check if the student is allowed to issue the book.
 - d. Issue book and input due date.
- 3. Precondition: The user should be logged in and should be a student of the institute.
- 4. Postcondition: Book should be issued and Issued book should be marked with due date.
- 5. Description- The student would request to issue a book, first the student details would be verified, and then the availability of book would be verified after which it would be verified that if the student is allowed to issue, if all of the above is verified the book would be issued and the librarian would mark due date.
Otherwise, the request will be pending and the student will get an appropriate message.

2. The sequence diagram for the “issueBook” use case.



3. Draw the analysis object diagram for the “issueBook” use case analysis.

