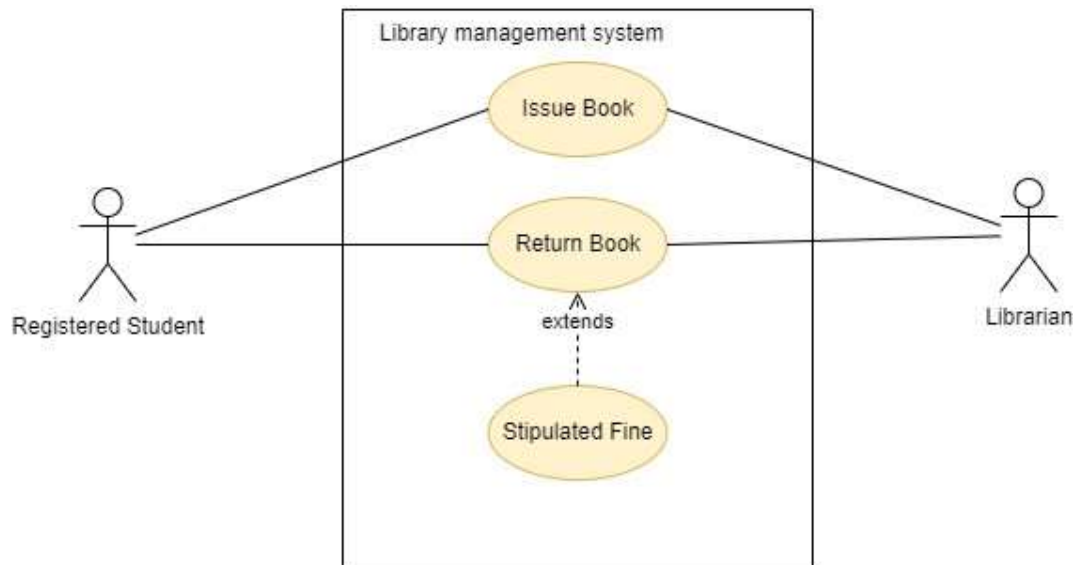IT313 Lab 7

Vaidik Patel (202101217)
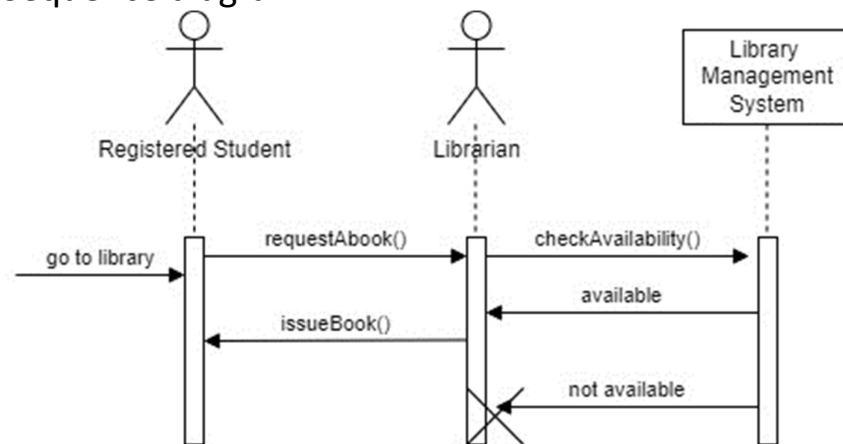
Group 3

Q-1

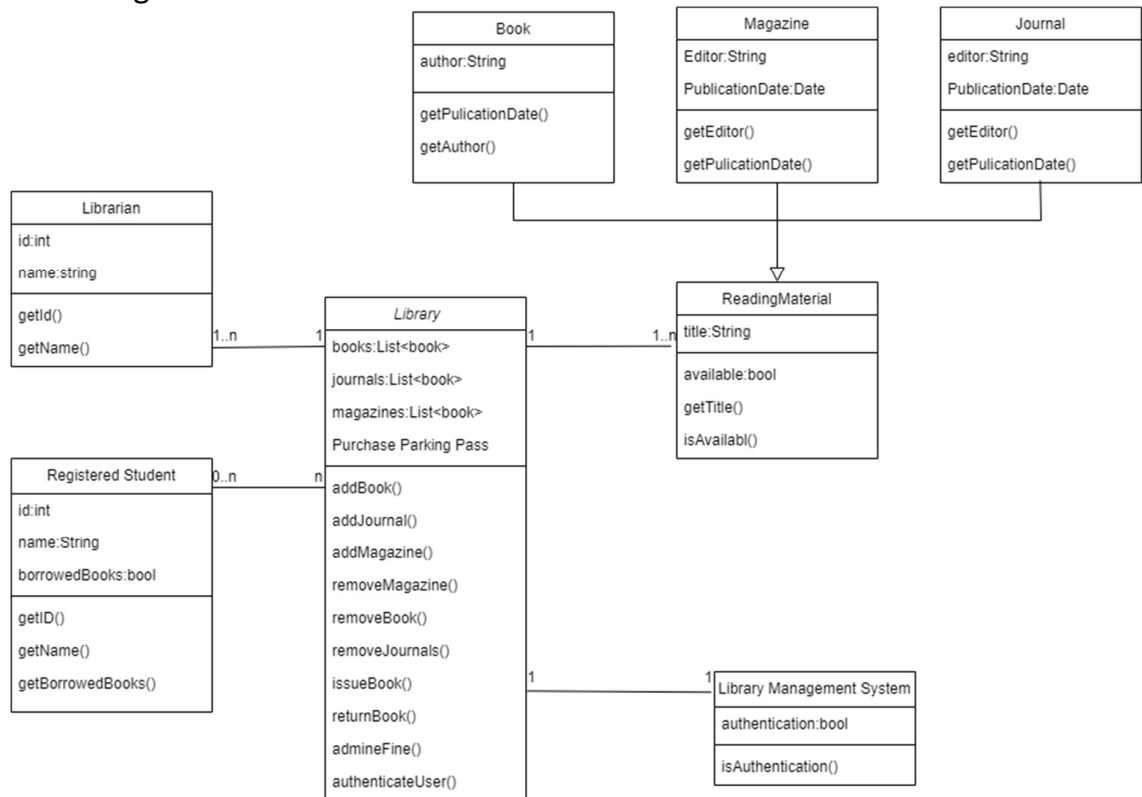1. Use case diagram

- <u>Use Case name</u> : Issue book
- <u>Actors</u> : Student, librarian
- <u>Entry condition</u> : student comes to library for issuing the book or returning a book.
- Flow of event :
    1. The student will come to issue a book for reading, Librarian will check for the availability of book in the library.
    2. Librarian will verify whether student is registered or not.
    3. Then he will issue the book and record it in the library database.

- Exit condition : If the book is available and student is registered then book is issued.

2. Sequence diagram :

3. Class diagram :

Q-2

Instructor | **Student** | **TA** | **Computer System**

wants to take Exam

Notify about exams

Prepare Exam Paper

Make Copies of Exam Papers(Exam paper)

Distribute the exam papers (exam papers, students)

Write exam(exam paper, time)

Return the exam papers (exam papers, students)

gives exam Papers, solution for checking(Exam papers)

Return papers(Exam papers, marks)

Records Marks(marks, studentID)

notify marks to students(Student id, marks)