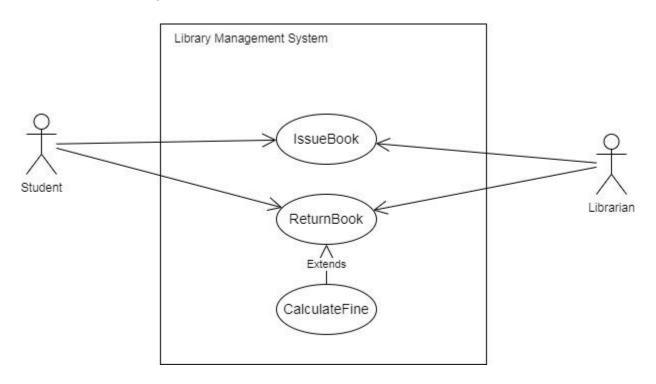
Name: Dhruv Limbad ID: 202101263

1. Library System

Use case Diagram:



Description:

Use case name: IssueBook

Description: Represents the process of issuing book

Primary actors: Students Secondary actors: Librarian

Pre Conditions:

• The student is already registered in the University.

• The book to be issued must be available in the library.

Post Conditions:

- The book is marked issued.
- The due date is set.
- The student is notified of the issuance.

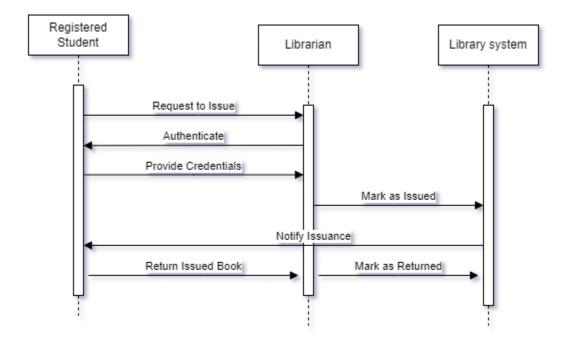
Main Flow:

- The registered student requests to issue a book.
- The system validates the student's authentication status.
- The system checks if the requested book is available.
- If the book is available, the system marks it as issued to the student.
- The system sets the due date for returning the book.
- The system notifies the student and the librarian about the successful issuance.

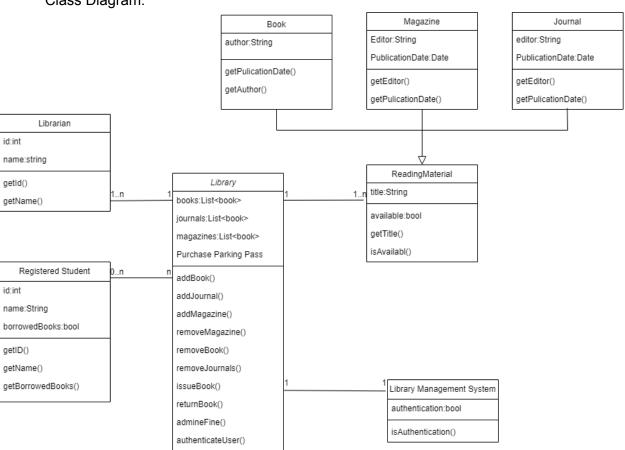
Alternate Flow:

- If the book is not available, the system notifies the student that the book cannot be issued at the moment.
- The book is already reserved by another student.

Sequence Diagram:



Class Diagram:



2. Exam System Student TΑ Instructor Computer System wants to take Exam Notify about exams Prepare Exam Make Copies of Exam Papers(Exam paper) 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)