IT-313 Software Enginnering

LAB-7

25th September 2023

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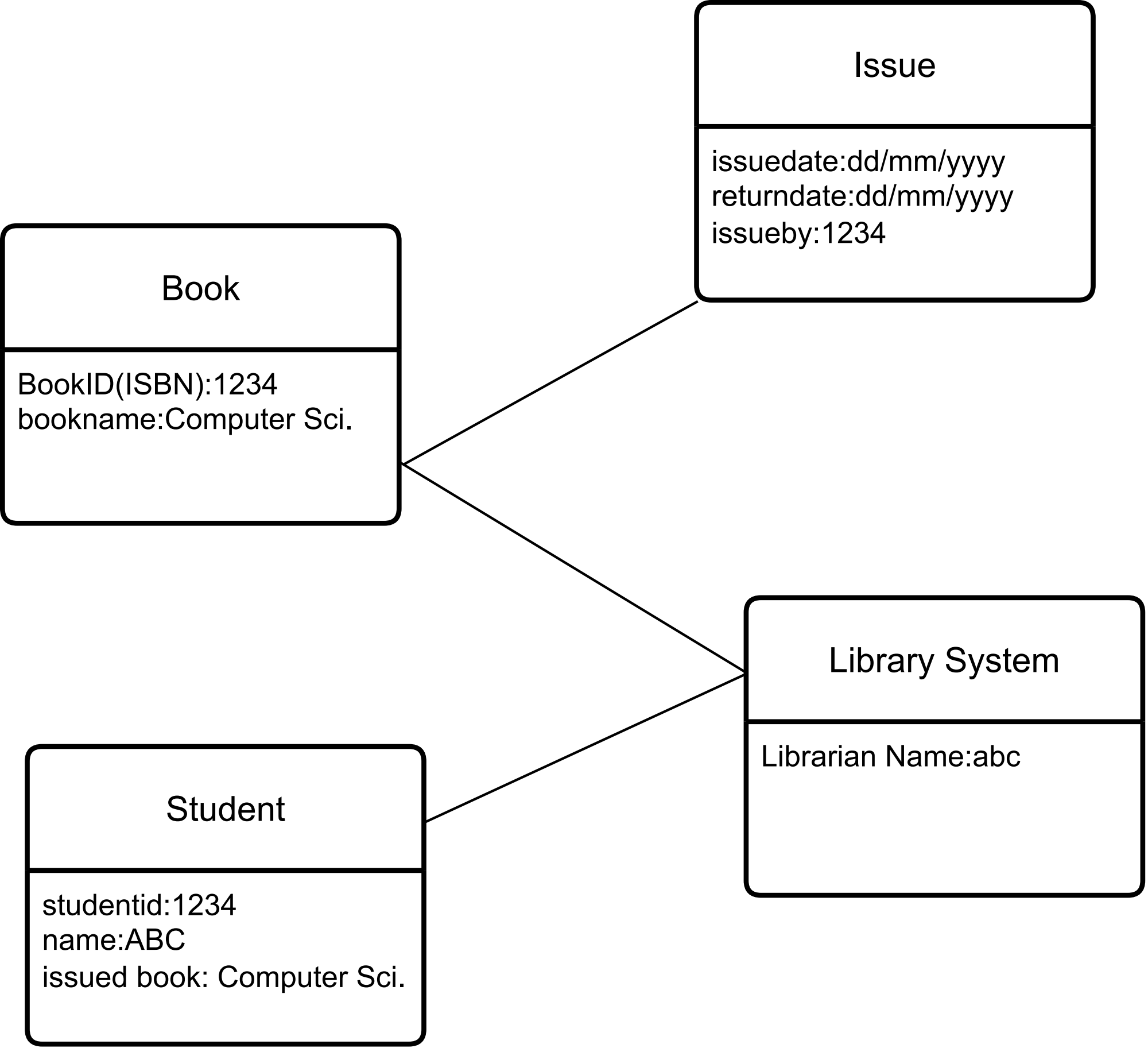
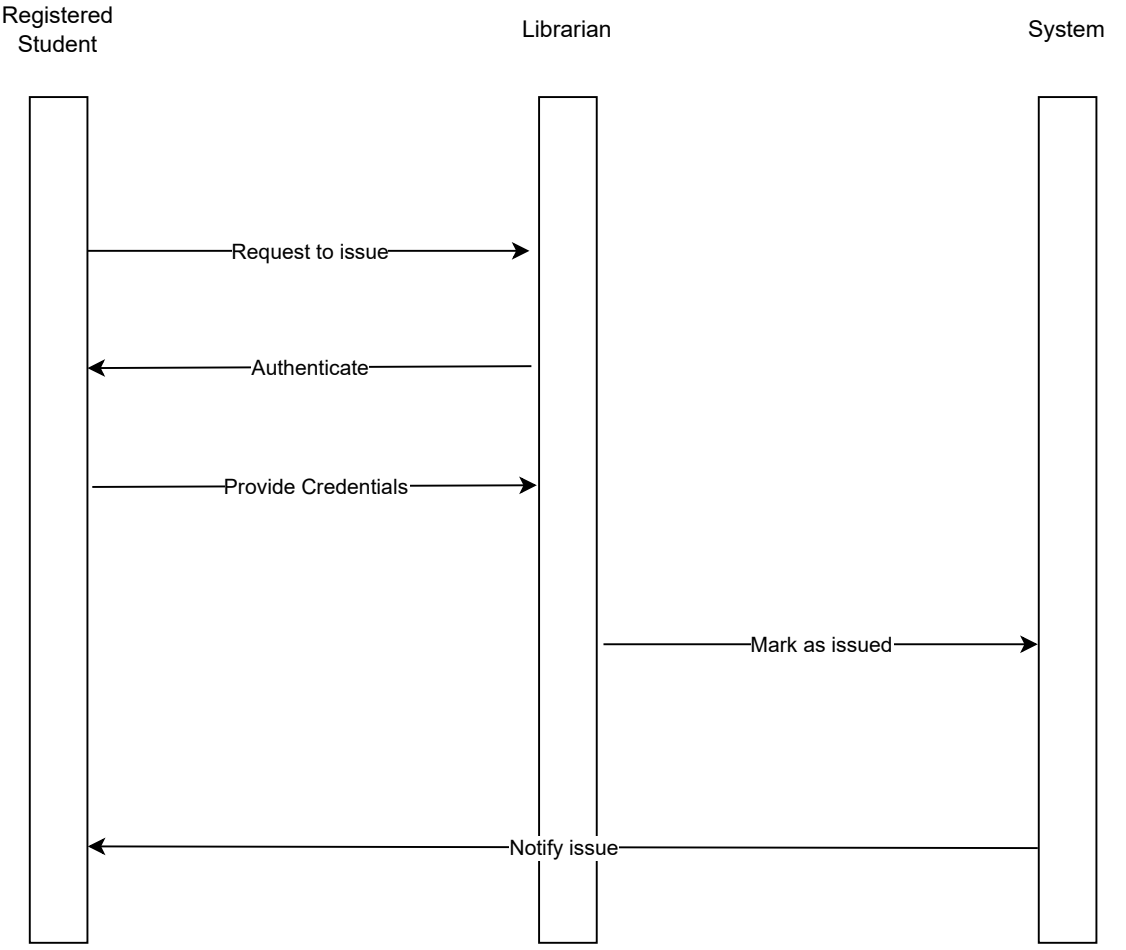
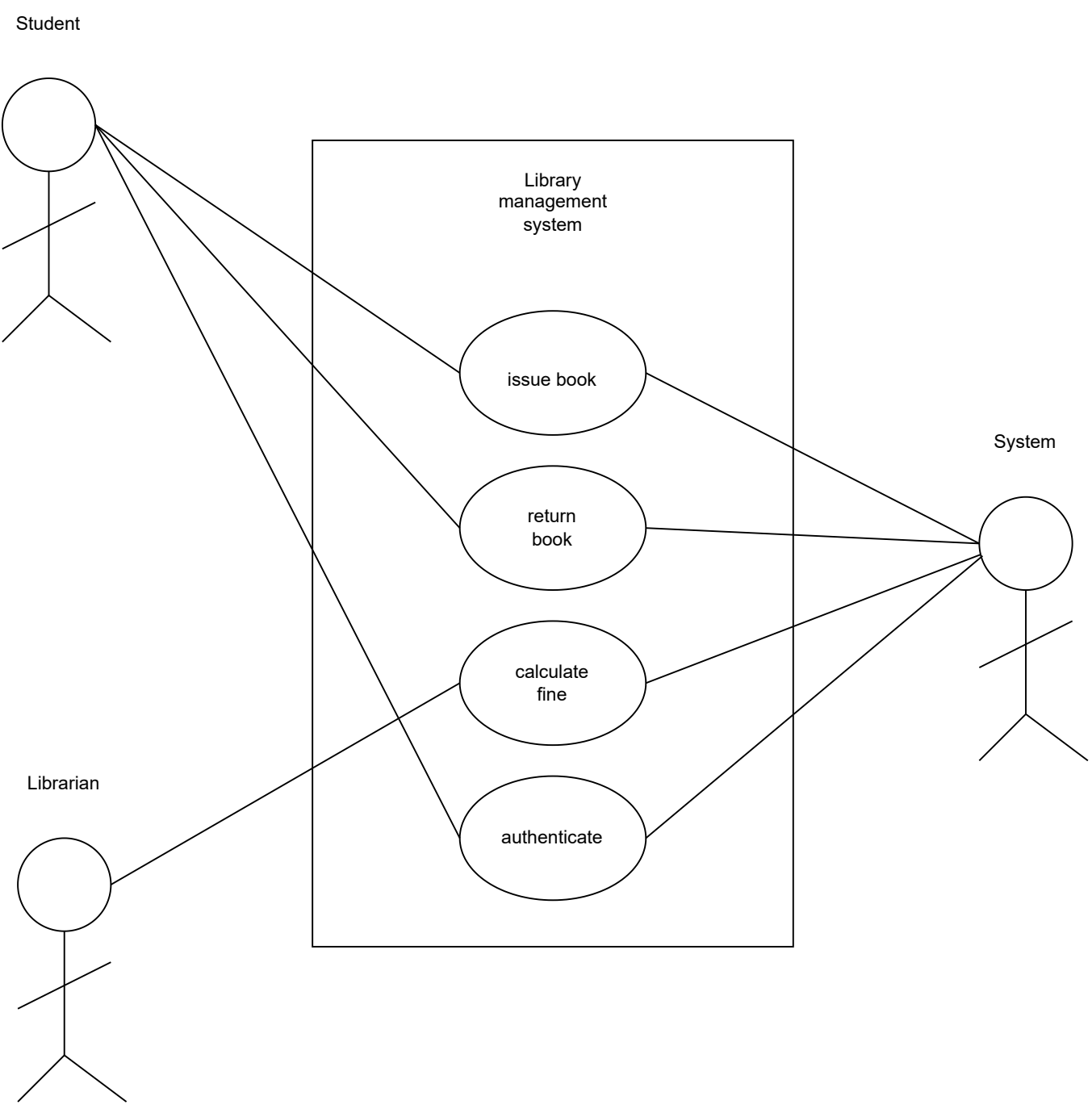
Group: 5


Issue
issuedate:dd/mm/yyyy
returndate:dd/mm/yyyy
issueby:1234
Book
BookID(ISBN):1234
bookname:Computer Sci.
Library System
Librarian Name:abc
Student
studentid:1234
name:ABC
issued book: Computer Sci.


Registered Student
Librarian
System
Request to issue
Authenticate
Provide Credentials
Mark as issued
Notify issue


Student
Library
management
system
issue book
return
book
calculate
fine
authenticate
System
Librarian

Case Study Documentation for "issue book" Case Study:

Name of the Use Case: Problem This use case shows the process of a registered student borrowing a book from the library.

Primary Performer: Student Registration

The library and Librarian are secondary characters.

Prerequisites: The librarian must log in and authenticate the enrolled student.

The book that is being distributed must be available in the library.

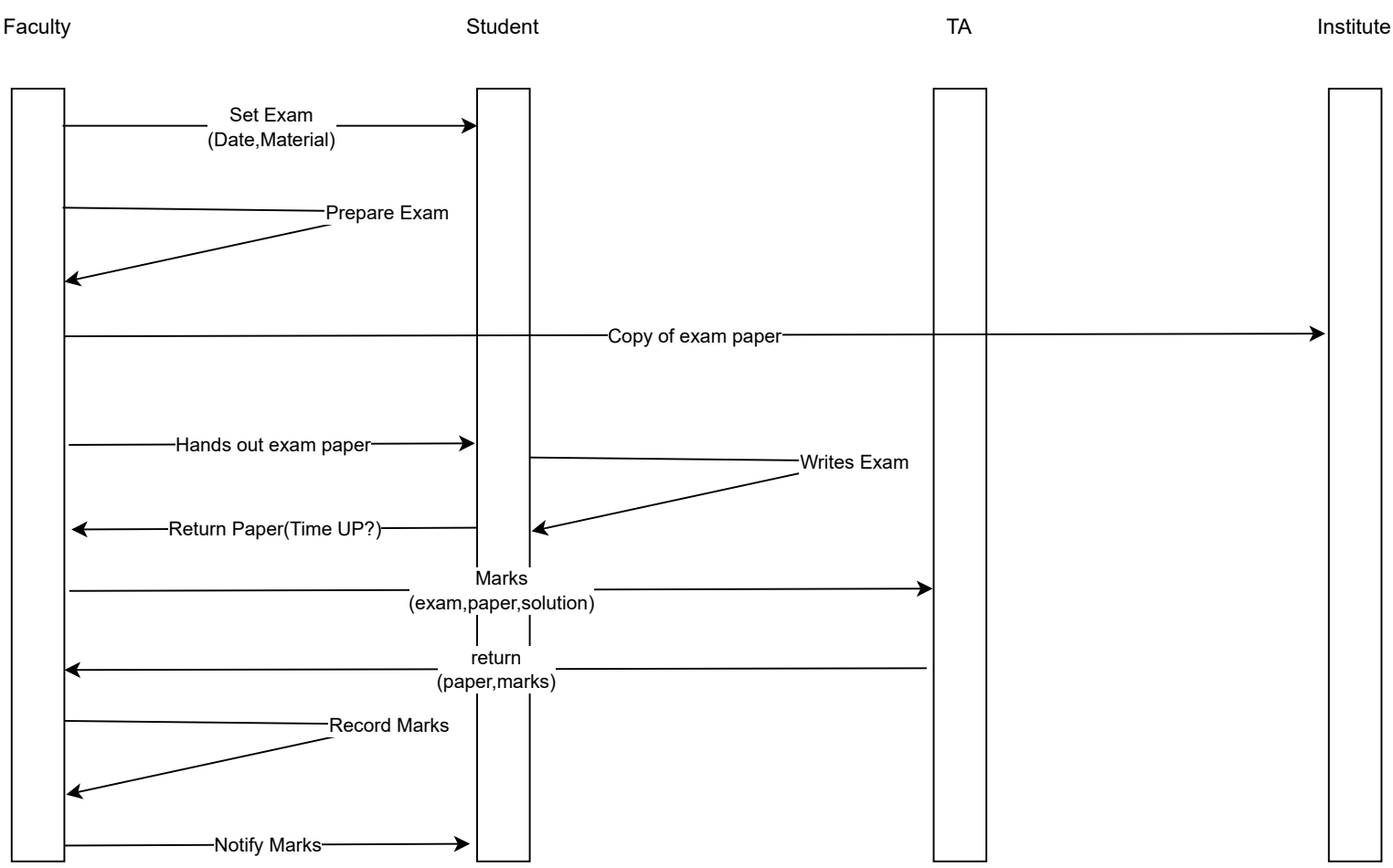
Postconditions: The book is labeled as having been issued to the student.

The deadline for returning the book has been specified.

The successful issuance is communicated to the student.

Main Flow:

The registered student requests that a book be issued to him. The authentication status of the student is validated by the system. The system determines whether the requested book is in stock. If the book is available, the system indicates that it has been issued to the student. The mechanism establishes a deadline for returning the book. The system alerts the student and the librarian that the issuance was successful. Alternative Flows: If the book is unavailable, the system alerts the student that it cannot be issued at this time. The system notifies the librarian if the user is not authenticated.


Faculty
Student
TA
Institute
Set Exam
(Date,Material)
Prepare Exam
Copy of exam paper
Hands out exam paper
Writes Exam
Return Paper(Time UP?)
Marks
(exam,paper,solution)
return
(paper,marks)
Record Marks
Notify Marks