Software Engineering

IT-313

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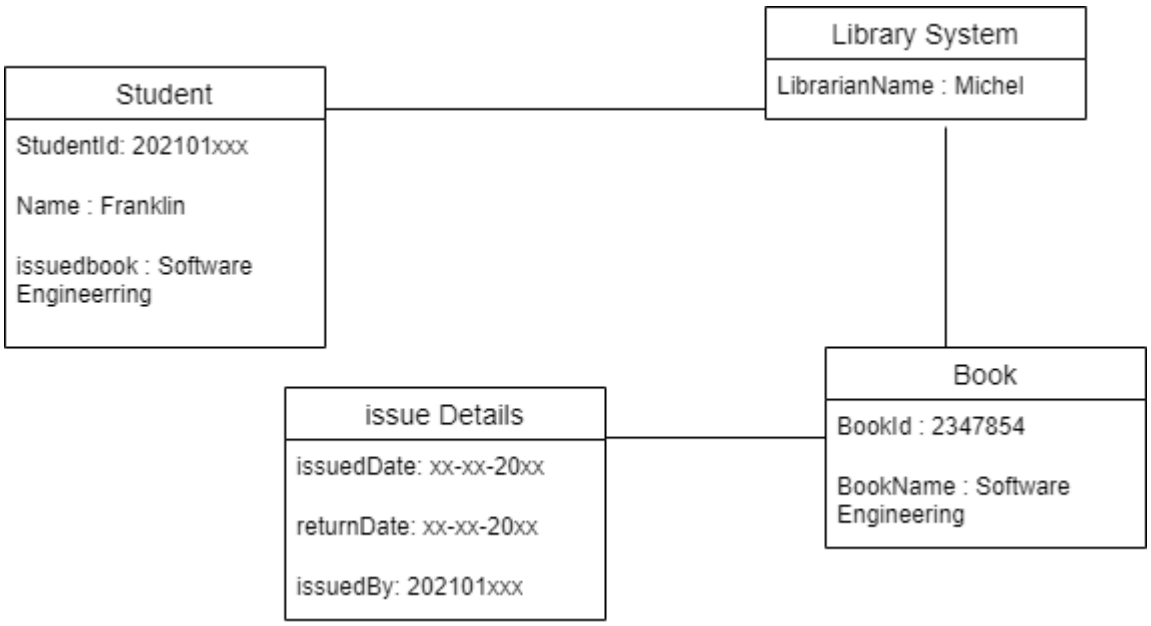
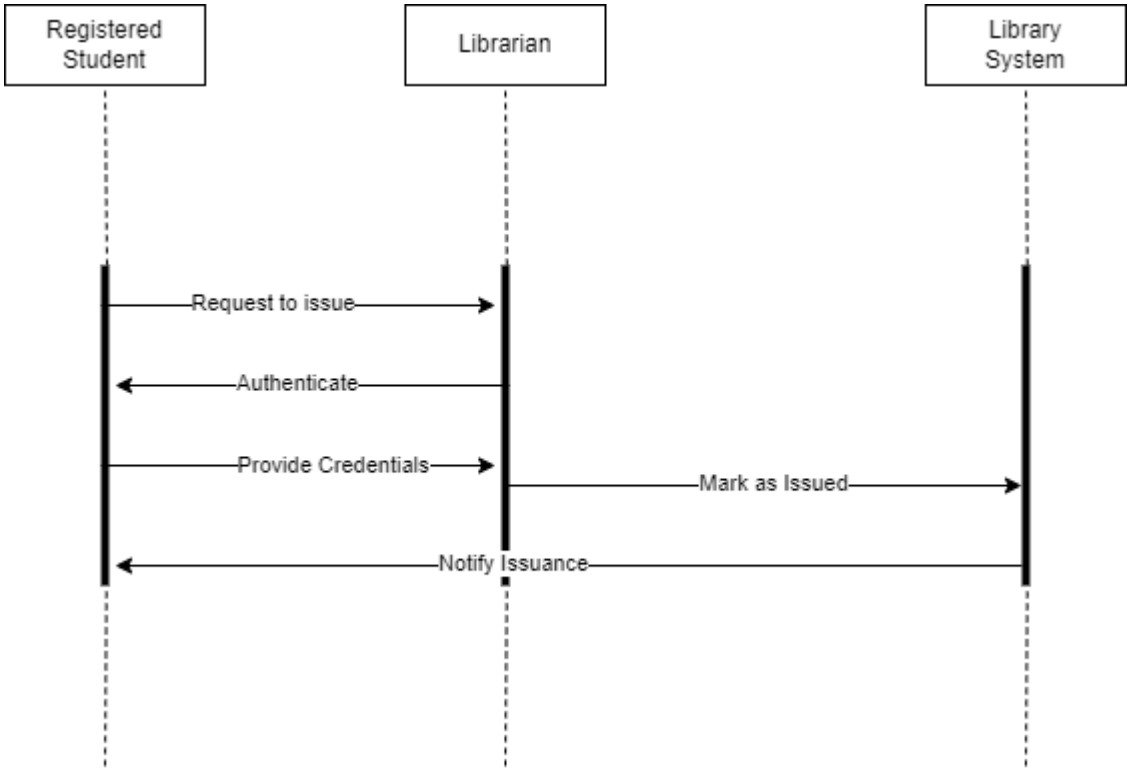
Group No : 4

Lab - 7

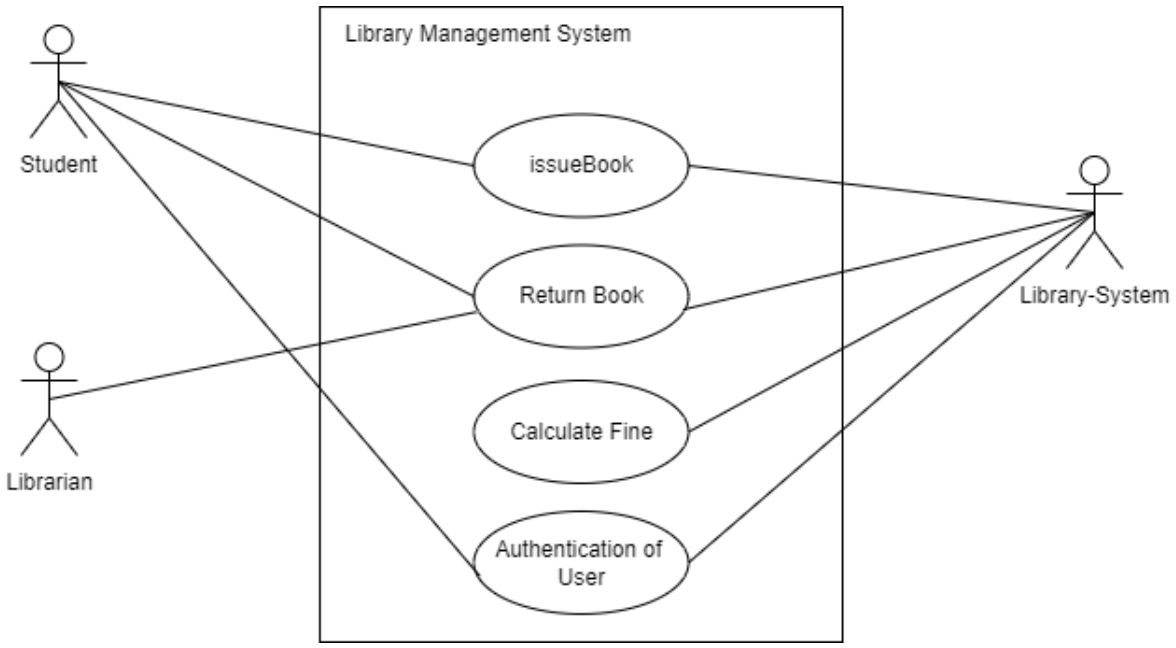
Q1:- 1.Object Diagram:



2.Sequence Diagram



3.Use-Case Diagram



Use Case Documentation for "issueBook" Use Case:

Use Case Name: Issue Book

Description: This use case illustrates how a student who is registered issues a book from the library.

Primary Actor: Registered Student

Secondary Actor: Library and Librarian

Preconditions: The librarian must log in and authenticate the registered student. The library must have the book that is being issued.

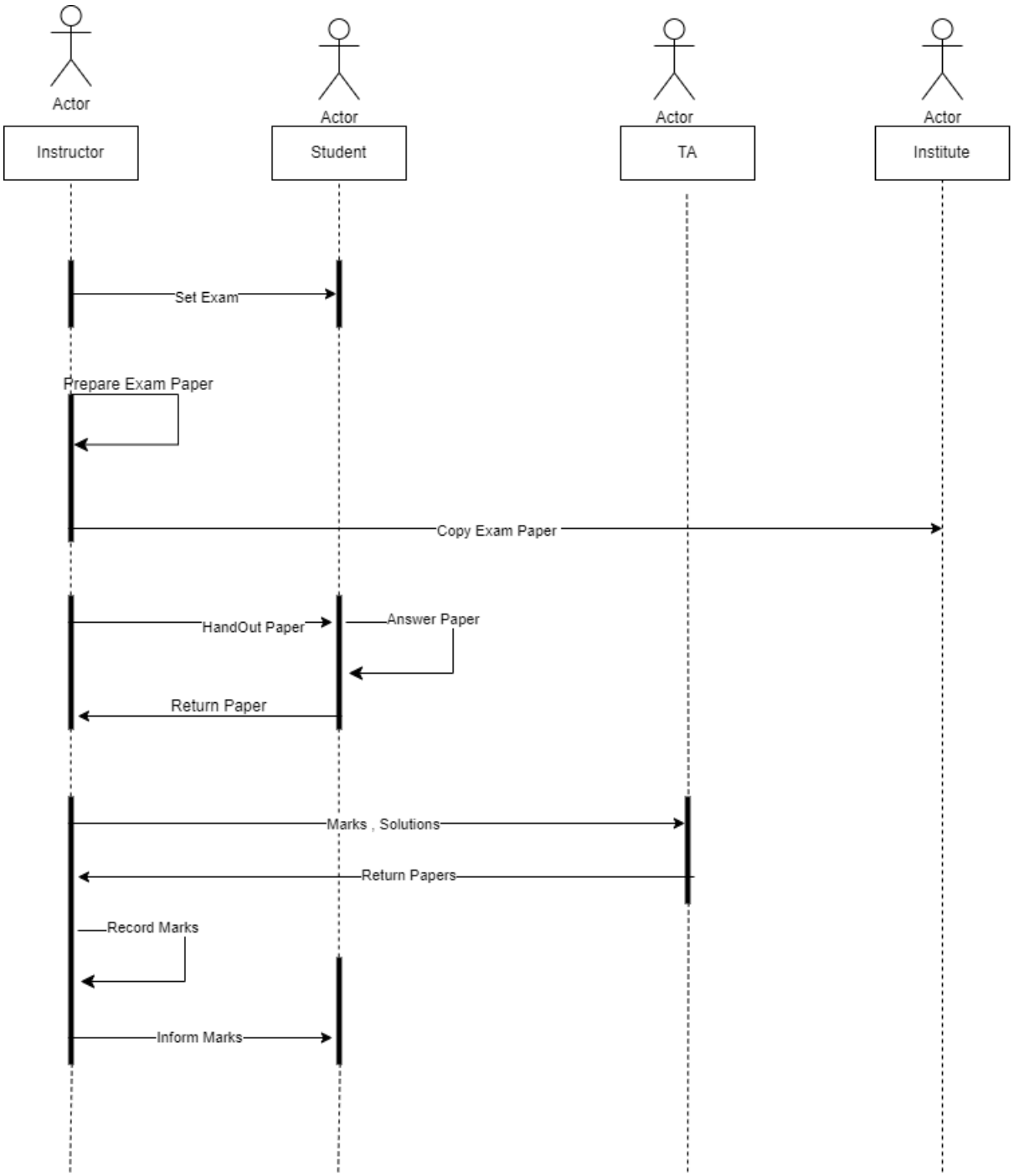
Postconditions: The book has the inscription, "Issued to Student." The book return deadline has been established. The successful issuance is announced to the student.

Main Flow: The registered student asks for a book to be issued. The student's authentication status is verified by the system. If the requested book is available, the system verifies this. The system records the book as having been issued to the student if it is accessible. The system determines the due date for book returns. The system alerts the librarian and the student that the issuance was successful.

Alternate Flows: The system alerts the learner that the book cannot be given at this time if it is not readily available. The system alerts the librarian if the user is not authenticated.

Q2

1.Sequence Diagram


Actor
Instructor
Actor
Student
Actor
TA
Actor
Institute
Set Exam
Prepare Exam Paper
Copy Exam Paper
HandOut Paper
Answer Paper
Return Paper
Marks , Solutions
Return Papers
Record Marks
Inform Marks