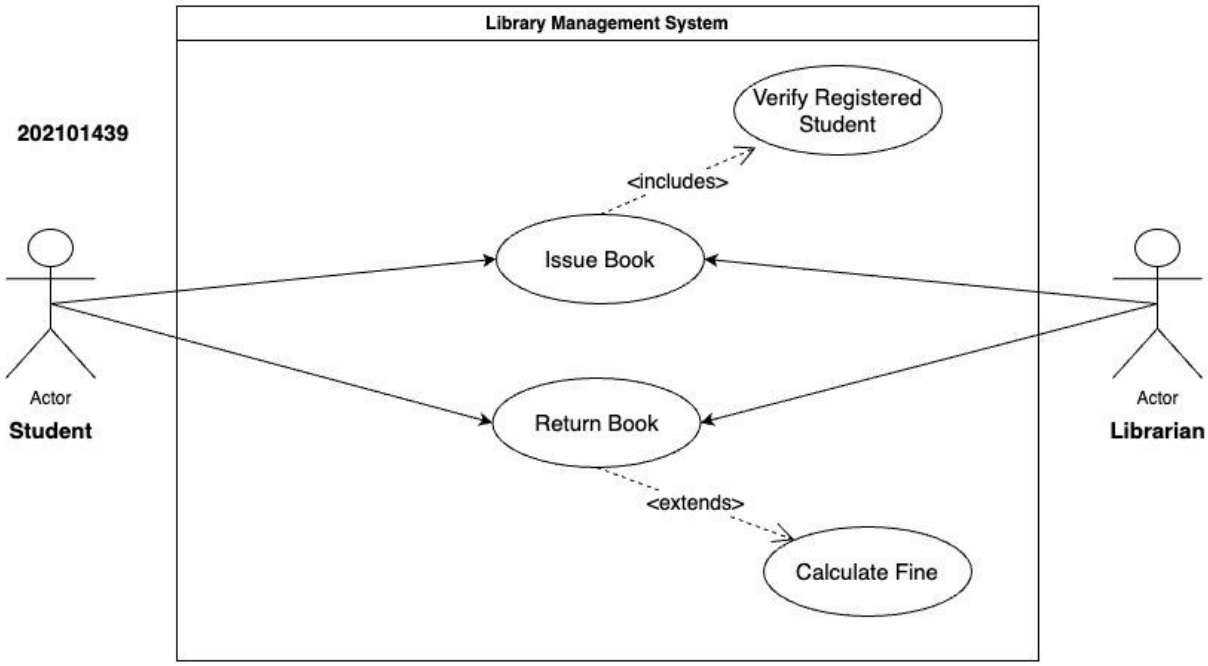
LAB - 7

SOFTWARE ENGINEERING

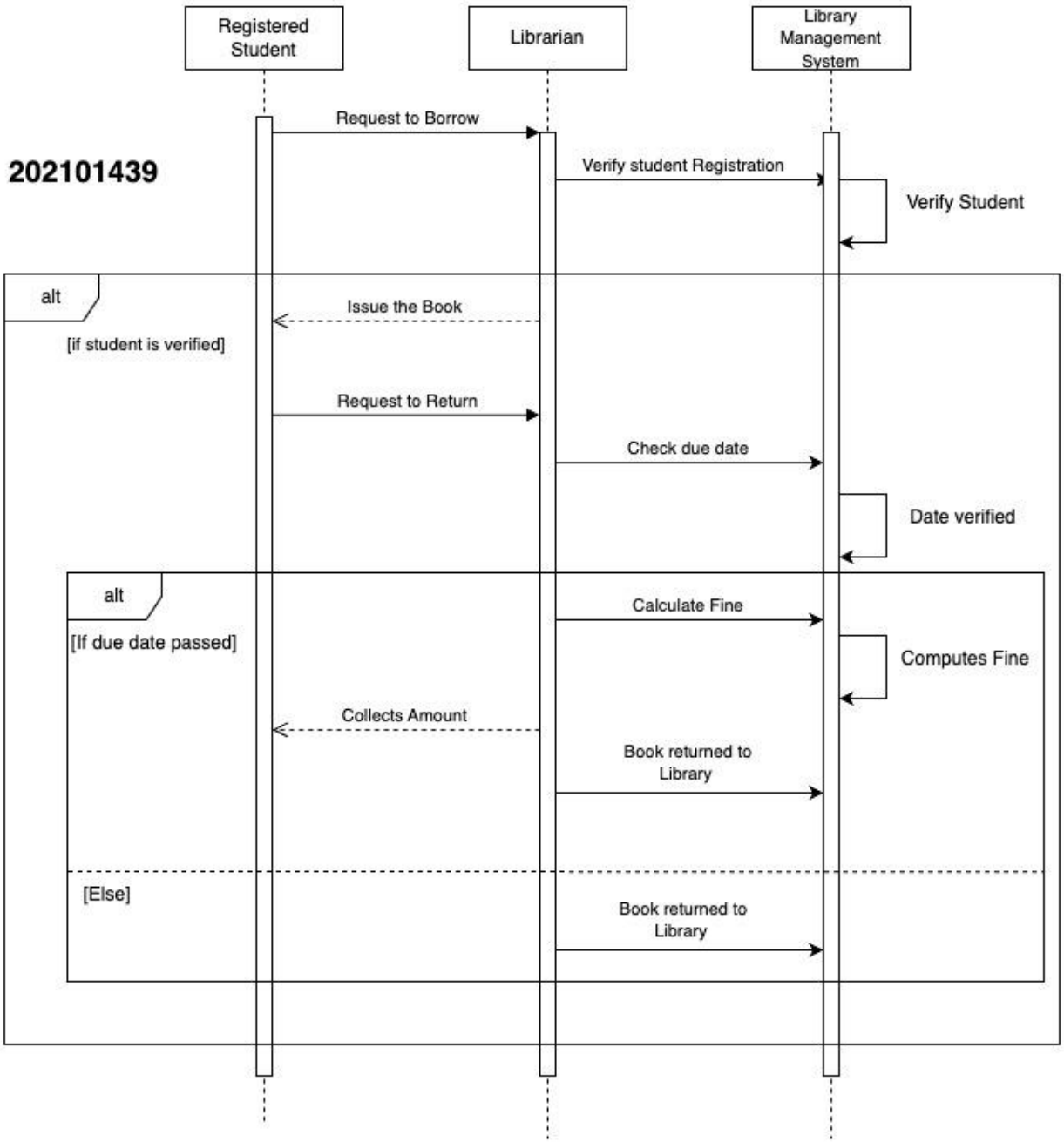
Name - Ayush Patel
Id - 202101439

Q1)

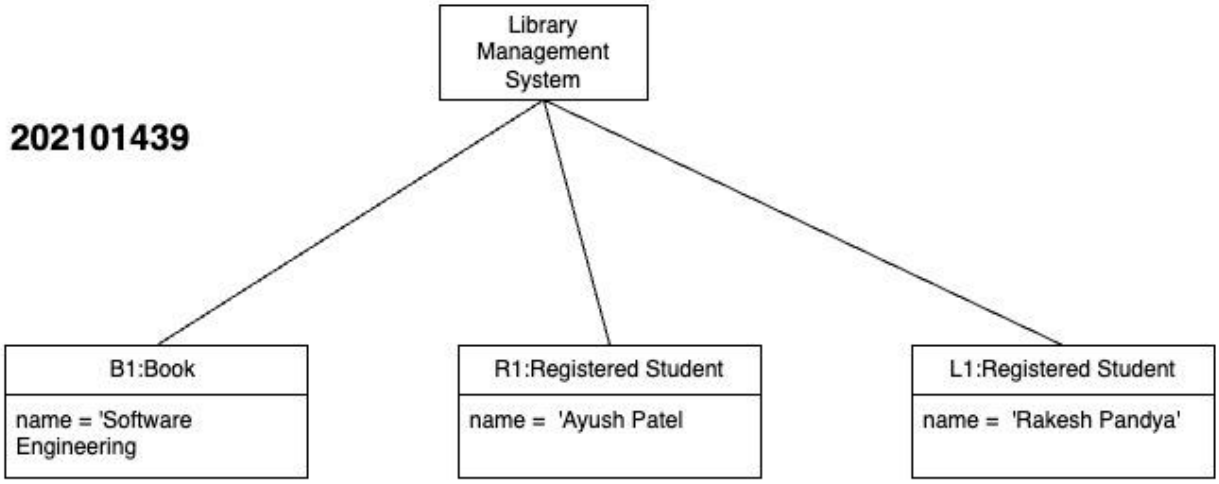
1) Complete the use case diagram for the above problem text along with use case documentation for “issue book” use case.



2) Sequence Diagram for ‘IssueBook’ use case is as follows:



3) Object Daigram:



Q-2)

1) Notify of Exam (Instructor -> Students):
   Operation: notifyExam(date, material)
   Arguments:
   date: The date of the exam.
   material: The material to be covered in the exam

2) Prepare Exam (Instructor):
   Operation: prepareExam()
   Arguments: None
3) Copy Exams (Instructor):
   Operation: copyExams(copies)
   Arguments: copies: The number of exam paper copies to be produced.

4)Conducts Exams (Instructor -> Students):
Operation: ConductExam(location, time)
Arguments: location: The designated location for handing out the exam papers. time: The designated time for handing out the exam papers

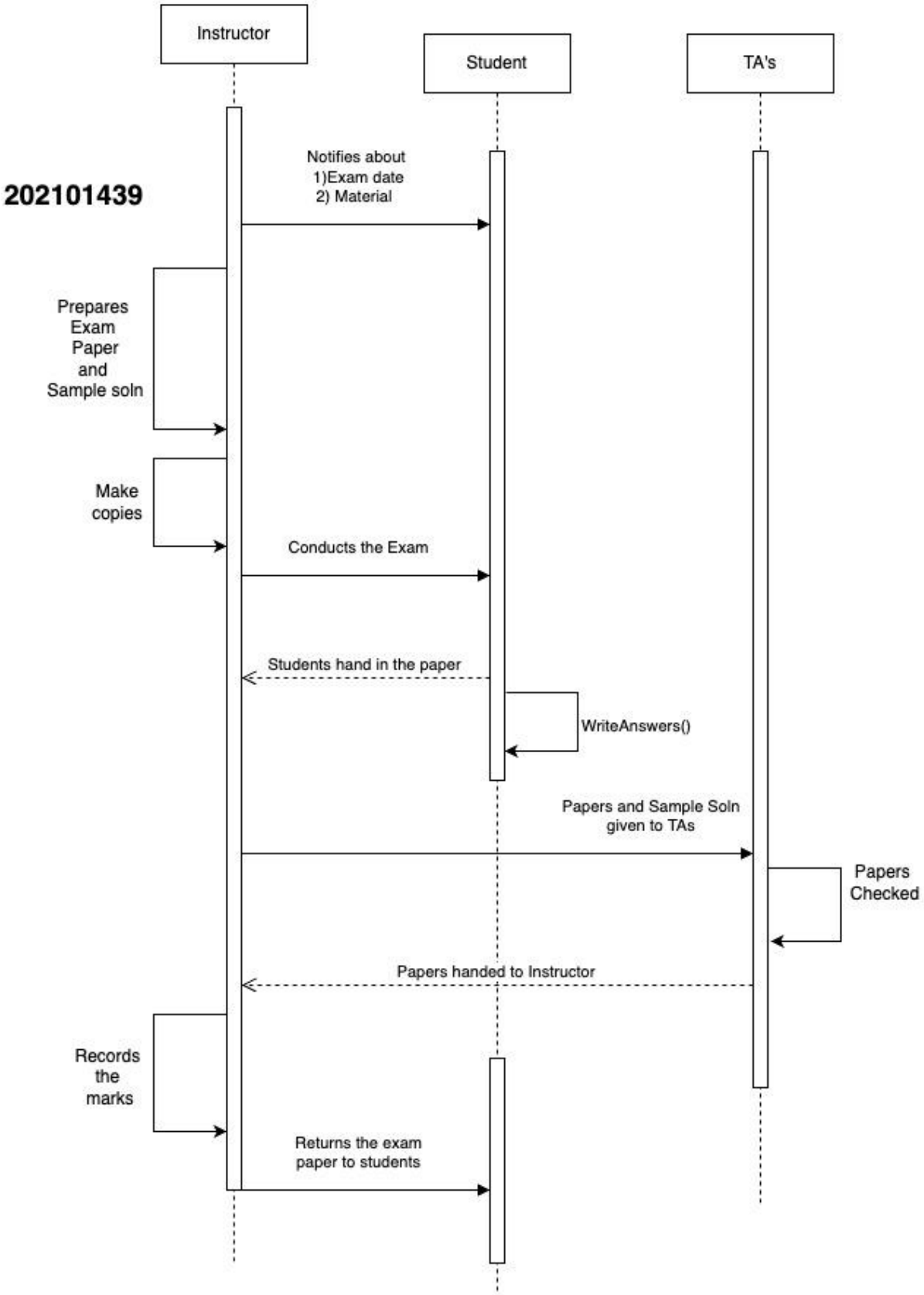
5) Write Answers (Students):
Operation: writeAnswers(answers)
Arguments: answers: The answers written by the students.

6)Hand In Papers (Students -> Instructor):
Operation: handInPapers()
Arguments: None

7) Give Marks(Teaching Assistants):
Operation: recordMarks(marks)
Arguments: marks: The marks assigned to each exam paper

8)Record Marks (Instructor -> Teaching Assistants):
Operation: recordMarks(marks)
Arguments: marks: The marks record for each student

9) Return Papers (Instructor -> Students):
Operation: returnPapers(papers)
Arguments: papers: The marked exam papers to be returned to the students.


Instructor
Student
TA's
202101439
Notifies about
1)Exam date
2) Material
Prepares
Exam
Paper
and
Sample soln
Make
copies
Conducts the Exam
Students hand in the paper
WriteAnswers()
Papers and Sample Soln
given to TAs
Papers
Checked
Papers handed to Instructor
Records
the
marks
Returns the exam
paper to students