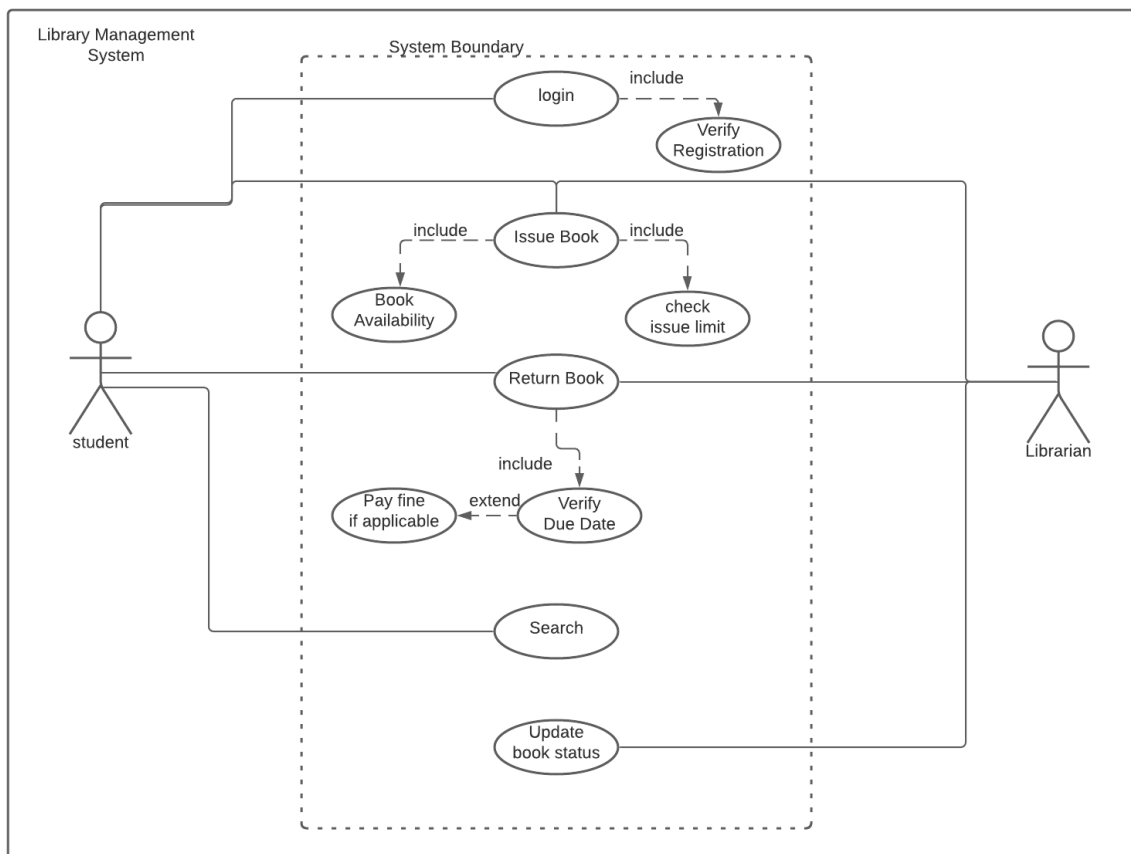**1) Complete the use case diagram for the above problem text along with use case documentation for "issueBook" use case.**

# Use Case Diagram:

# Documentation for "issuebook" case:

| Use case Name | Issue Book |
|---|---|
| **Description** | Books, articles or magazines are issued by the registered student. Date and time of issue will be stored. When the book is returned the librarian will check the due date and take the fine if applicable. |
| **Precondition** | The book will be issued by a student and the librarian will start a new session. |
| **Post condition** | If applicable then late fines should be collected. |
| **Basic flow** | The student will first want to issue the book. The system will first verify by checking the student's registered id. After successful verification, the book is issued and the date of issue is noted by the librarian. At the time of the return, if the date of return has exceeded the due date, the student will be eligible for late submission fine. After the payment of the fine, the book will be returned and the use case ends. |
| **Alternative flow** | 1. If Identification of the issuer fails or he/she is not registered for the institute, then he/she can't issue a book. <br><br> 2. If Issuers forget to return the book for a long time then after a reasonable amount of time ,a reminder email should be sent to the issuer. <br><br> 3. For the late-return time,if issuers don't have enough money to repay then Cancel the transaction. |