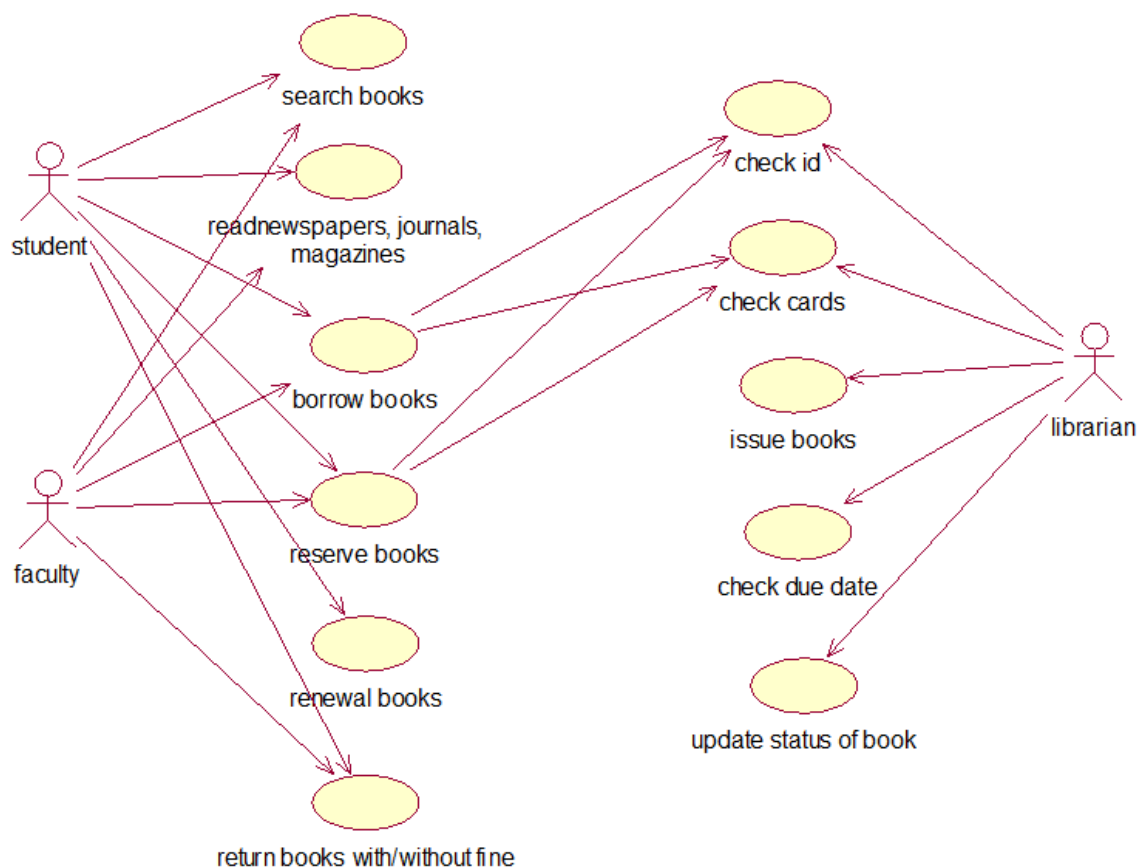


**AIM:** To create a UML diagram of Library Management System.

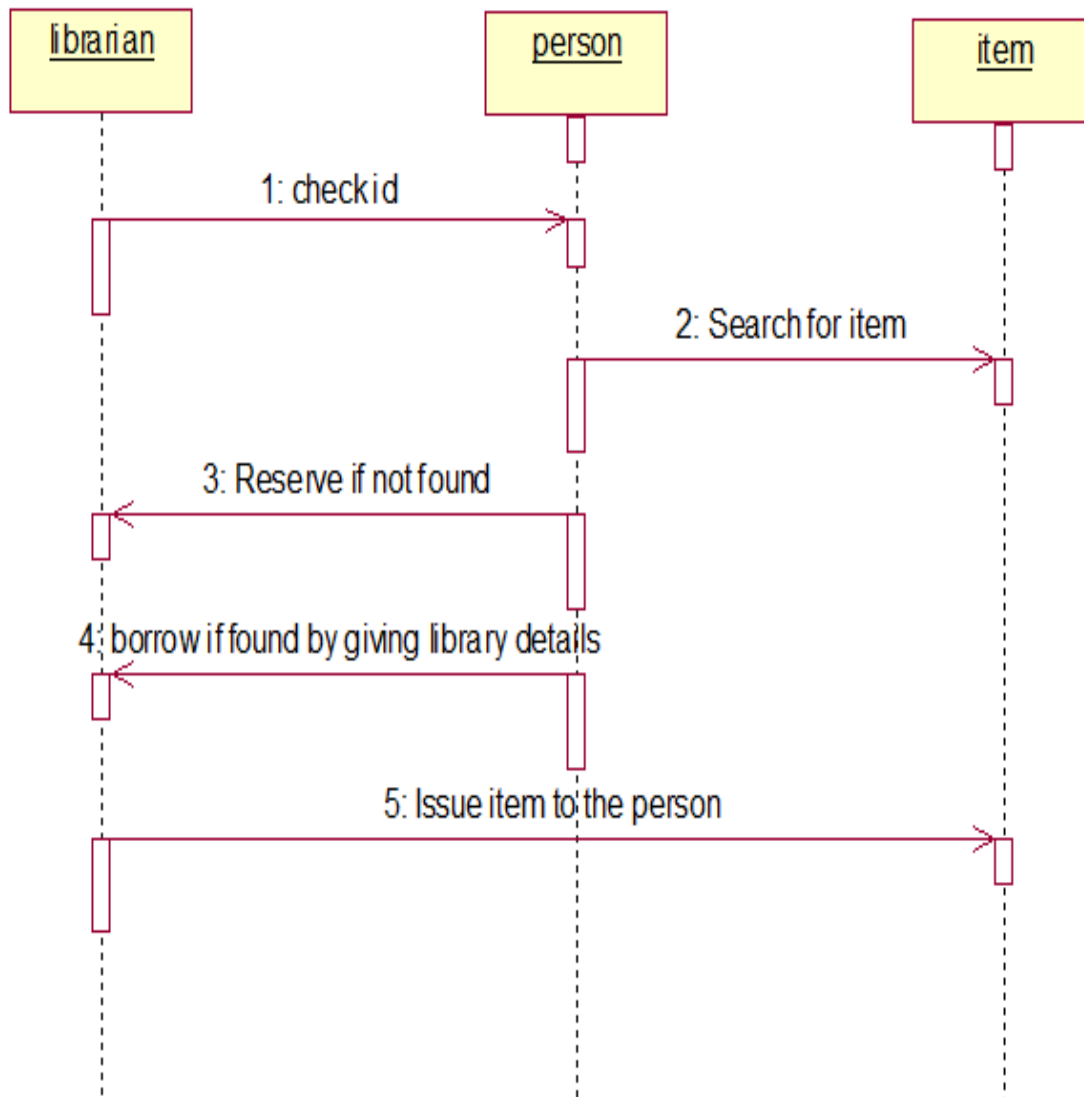
### PROBLEM STATEMENT:

The system manages all activities in the library. Library contains two types of member's faculty and student. A member of library can barrow a book from library, if a book is not available for issue he can reserve the book, member can return the book to the library. A member can search and borrow books, magazines and journals. If a book is not returned within due date then system calculates fine and collects it from member. A librarian purchases the books for library. A clerk is responsible for issue or return of books. Librarian maintains everything in the library from books, journals and magazine etc.

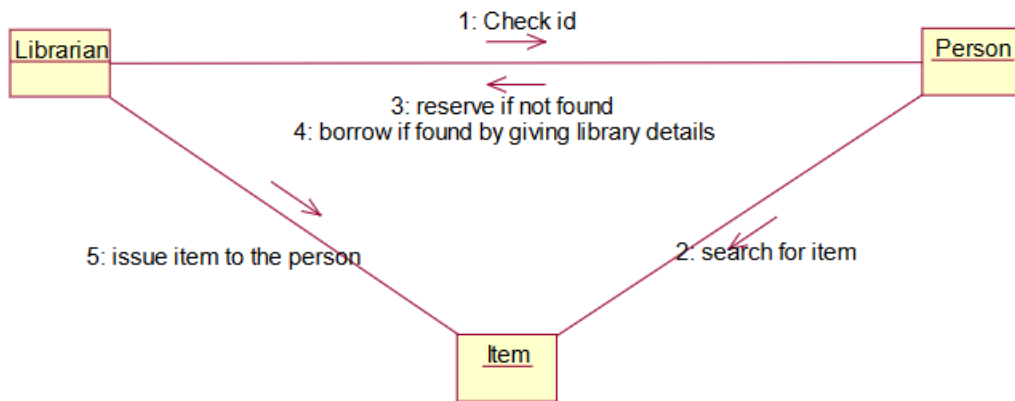
### 1. USECASE DIAGRAM:

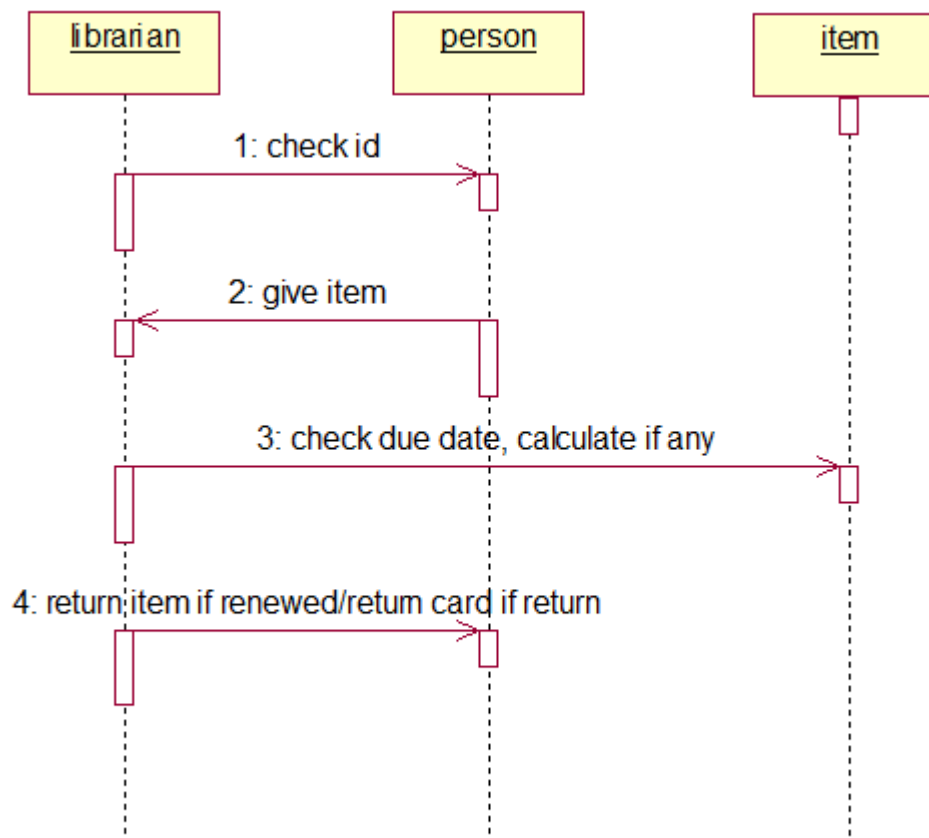


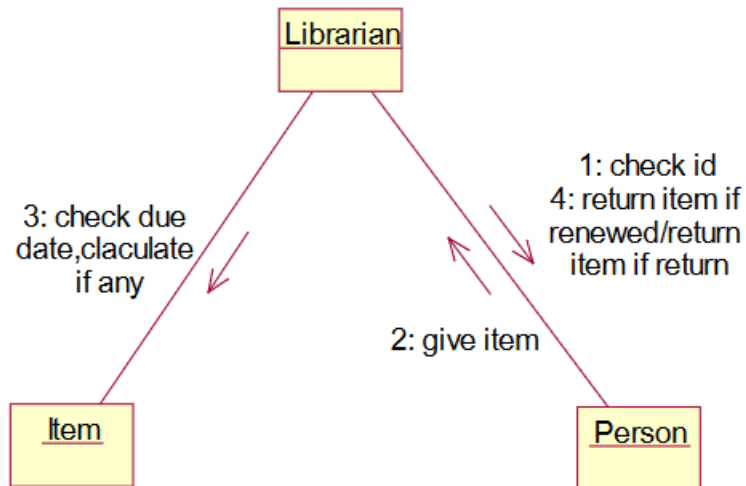
## 2. SEQUENCE DIAGRAM:



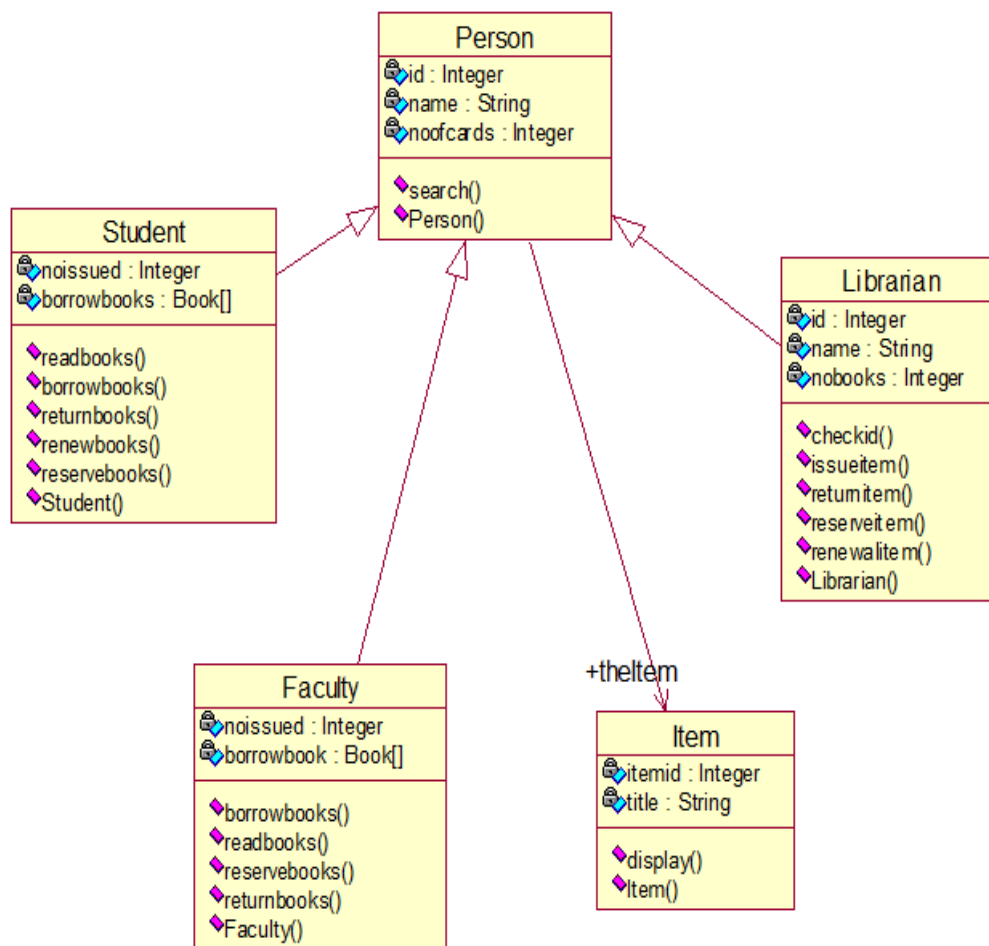
### 3. COLLABORATION DIAGRAM:



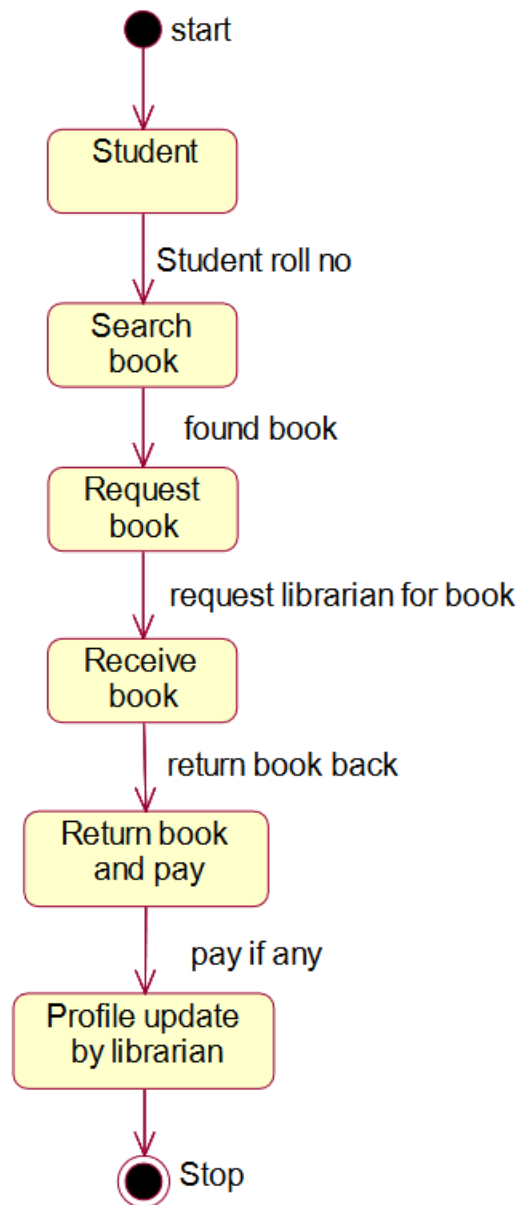
**SEQUENCE DIAGRAM 2:**

**COLLABORATION DIAGRAM:**

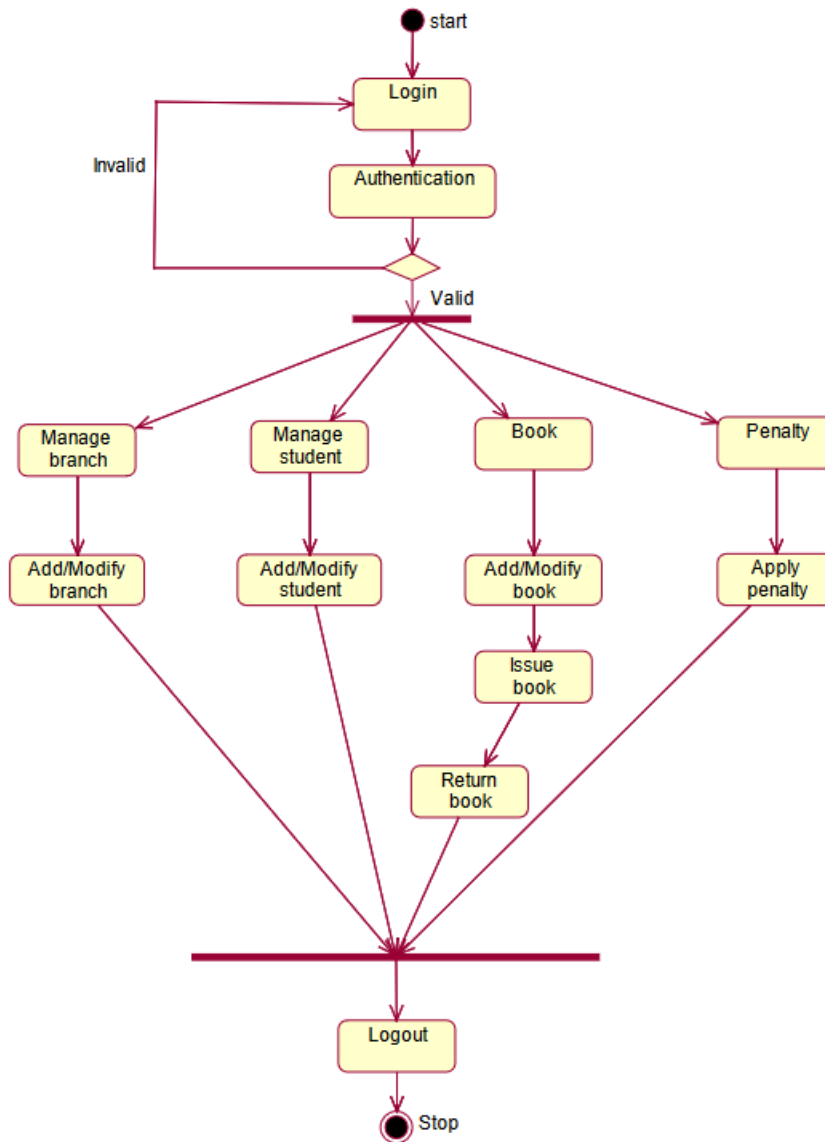
#### 4. CLASS DIAGRAM:



## 5. STATECHART DIAGRAM:

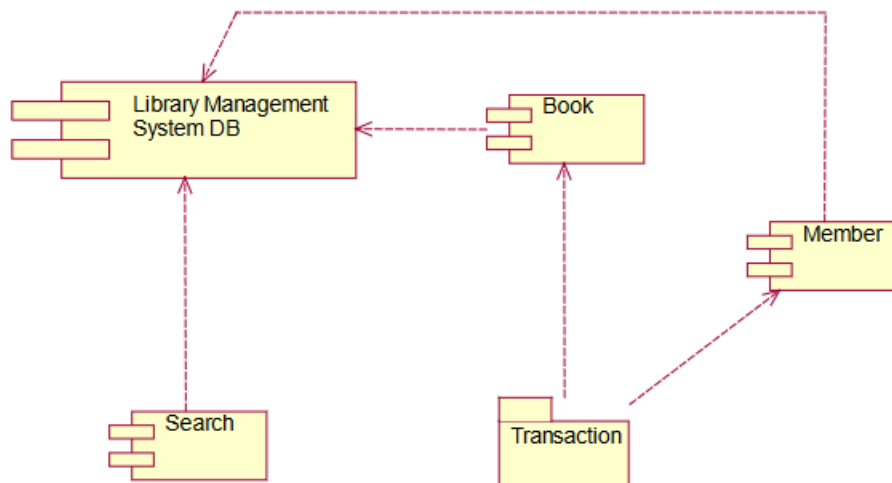


## 6. ACTIVITY DIAGRAM:





## 7. COMPONENT DIAGRAM:



## 8. DEPLOYMENT DIAGRAM:

