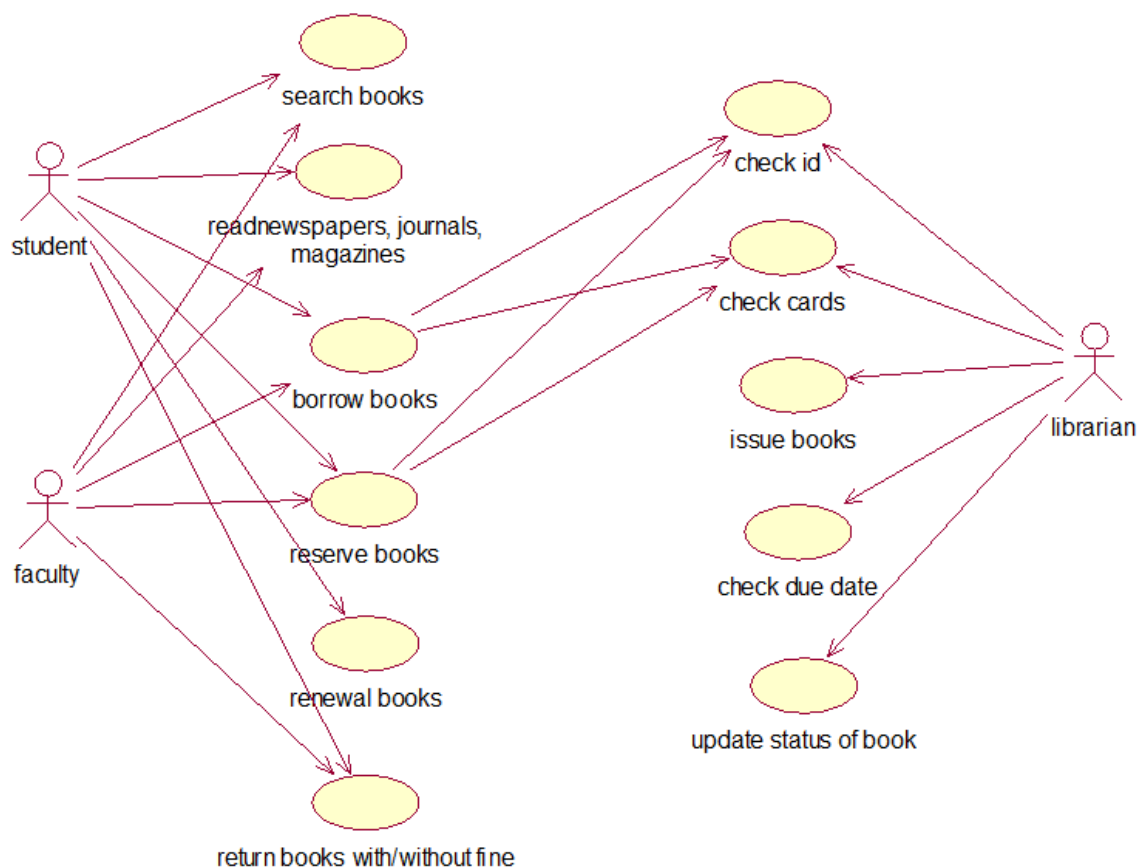


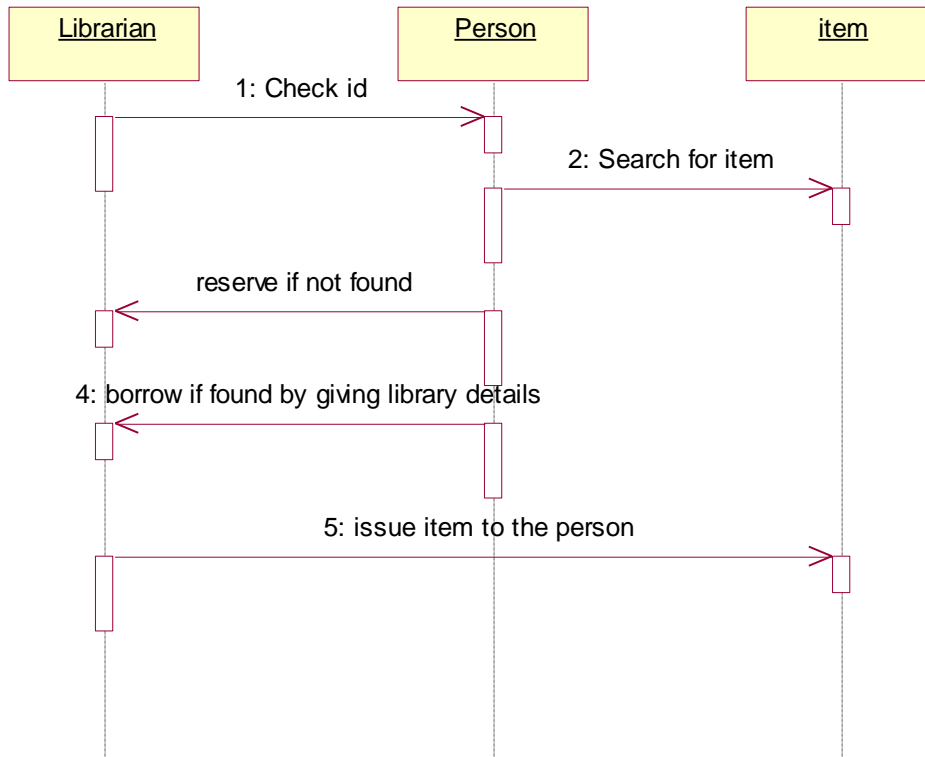
AIM: To create a UML diagram of Library Management System.

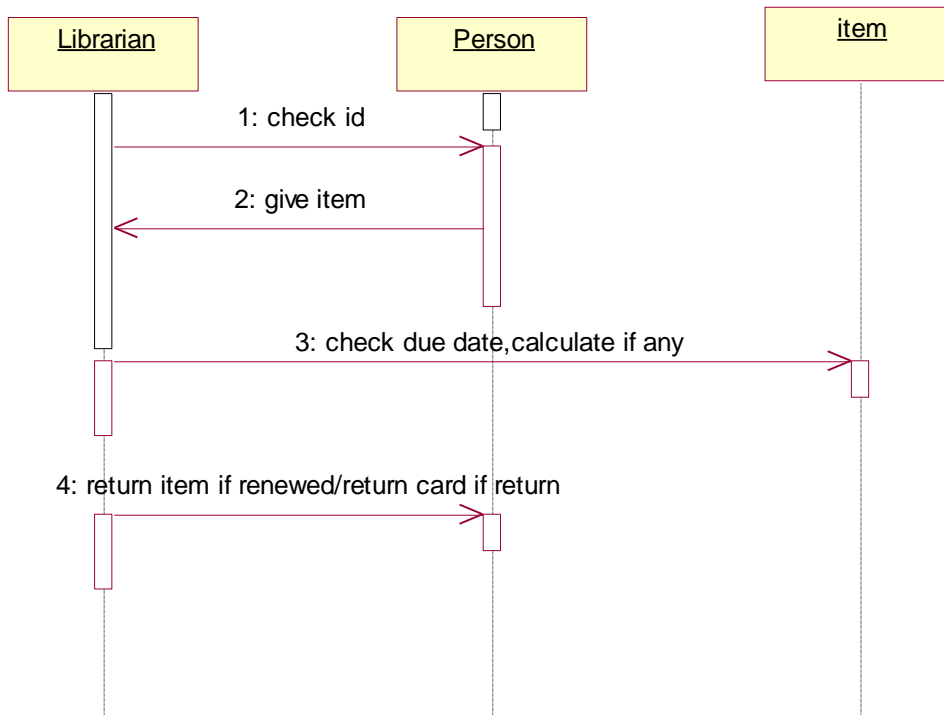
PROBLEM STATEMENT:

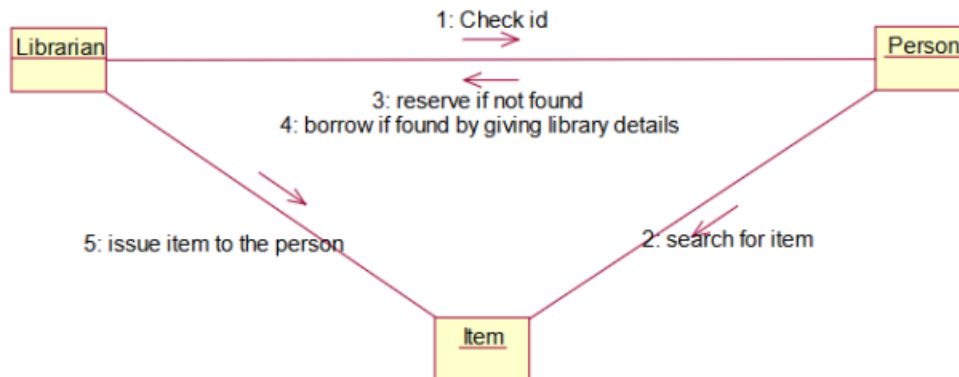
The system manages all activities in the library. Library contains two types of member's faculty and student. A member of library can barrow a book from library, if a book is not available for issue he can reserve the book, member can return the book to the library. A member can search and borrow books, 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.

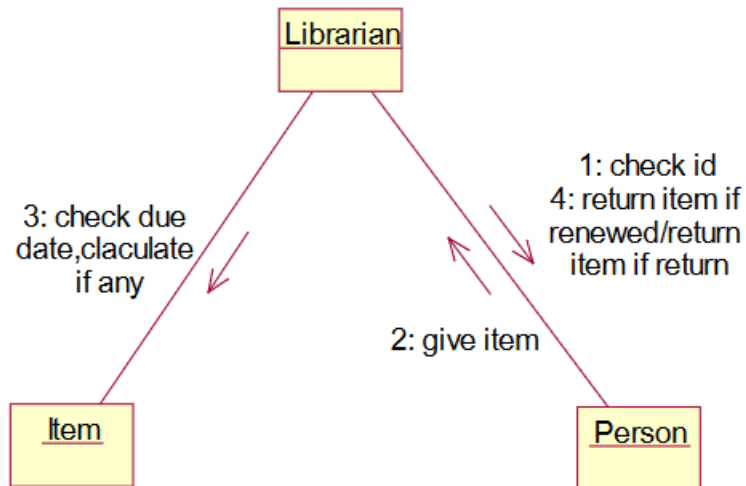
USECASE DIAGRAM:

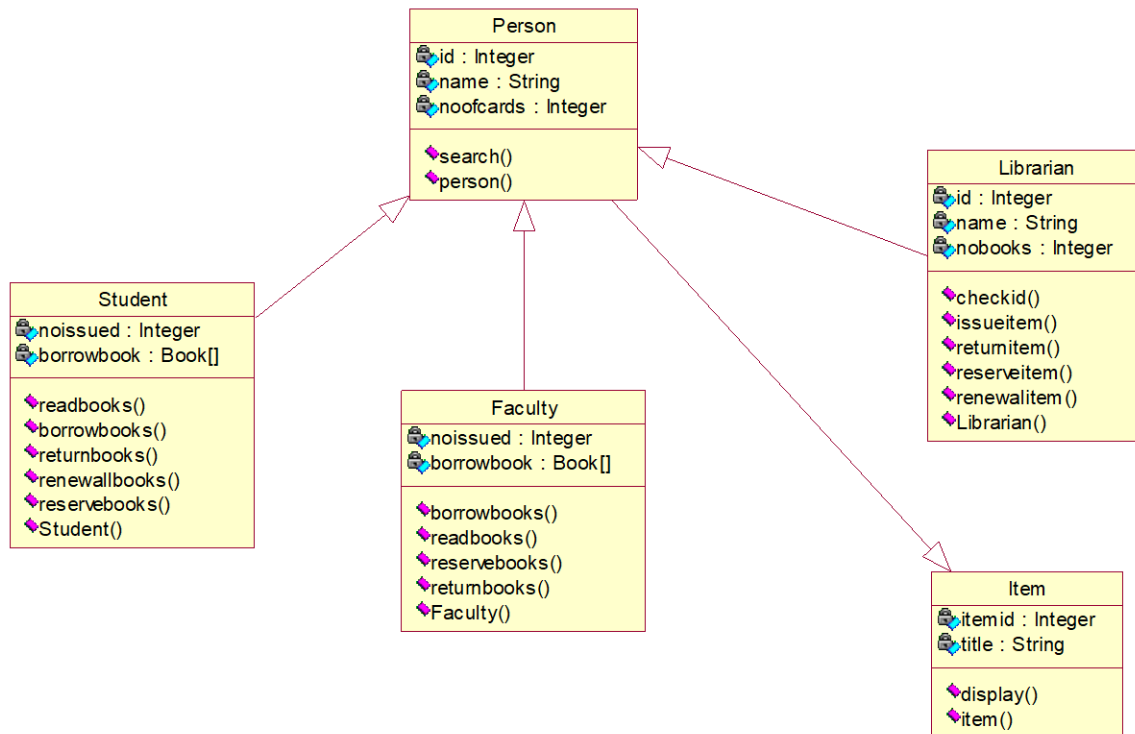


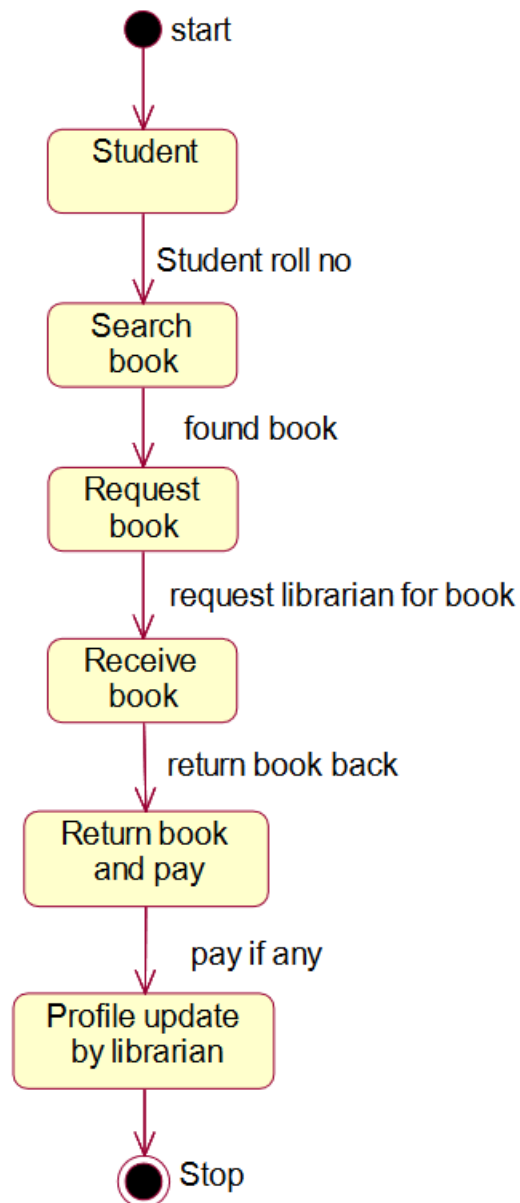
SEQUENCE DIAGRAM 1:

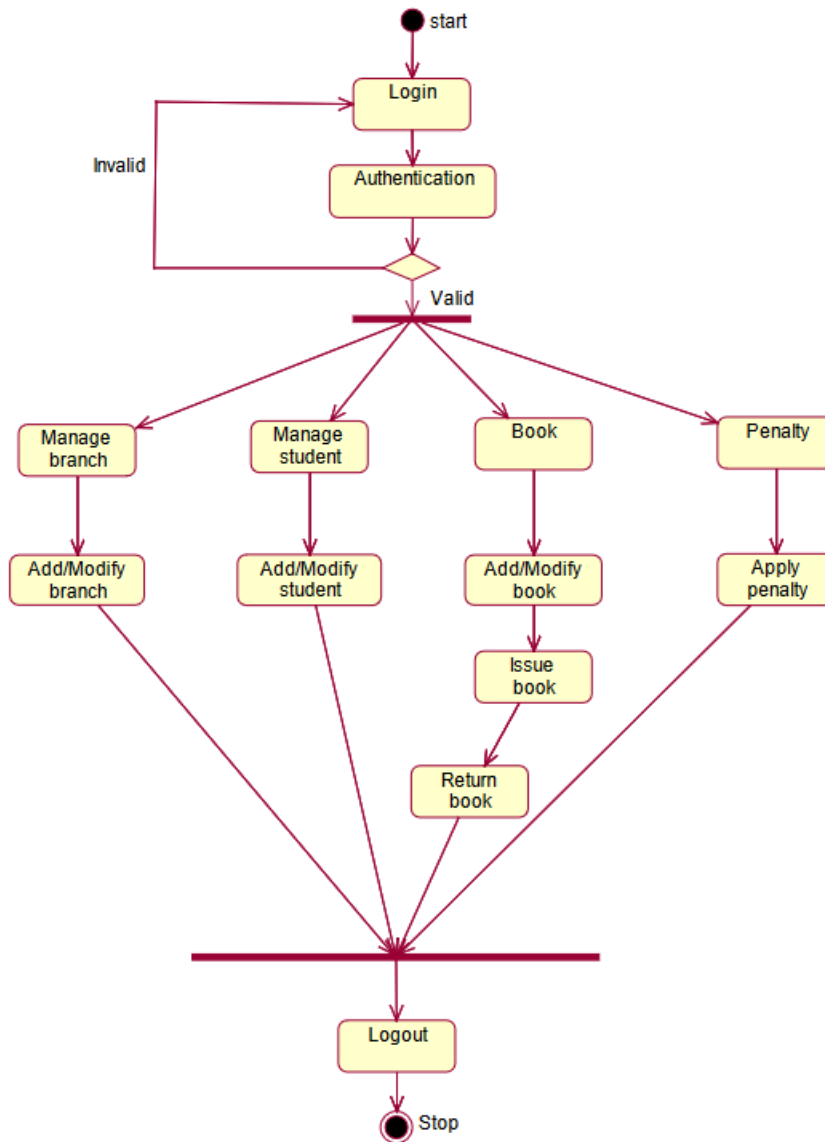
SEQUENCE DIAGRAM 2:

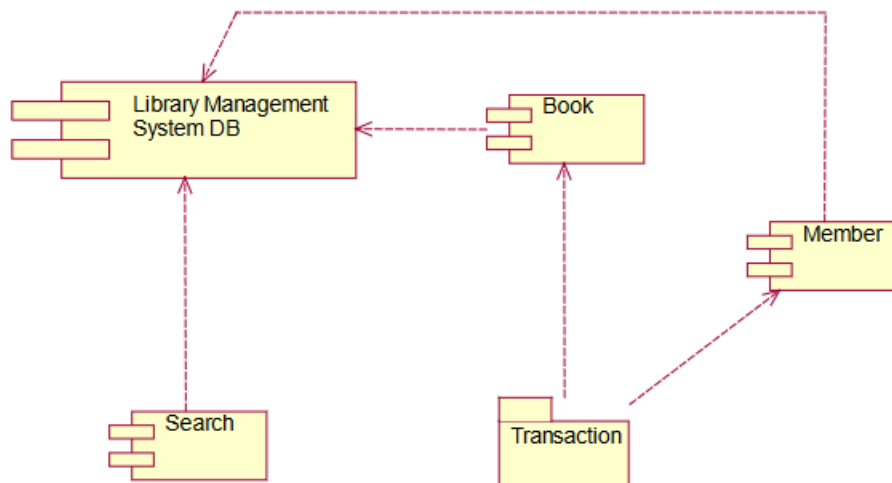
COLLABORATION DIAGRAM 1:

COLLABORATION DIAGRAM 2:

CLASS DIAGRAM:

STATECHART DIAGRAM:

ACTIVITY DIAGRAM:

COMPONENT DIAGRAM:**DEPLOYMENT DIAGRAM:**