

LIBRARY SYSTEM



Content

1. Implemented Functionalities
2. Extra Features Implemented
3. Use Case Diagram
4. Class Diagram
5. Sequence Diagram

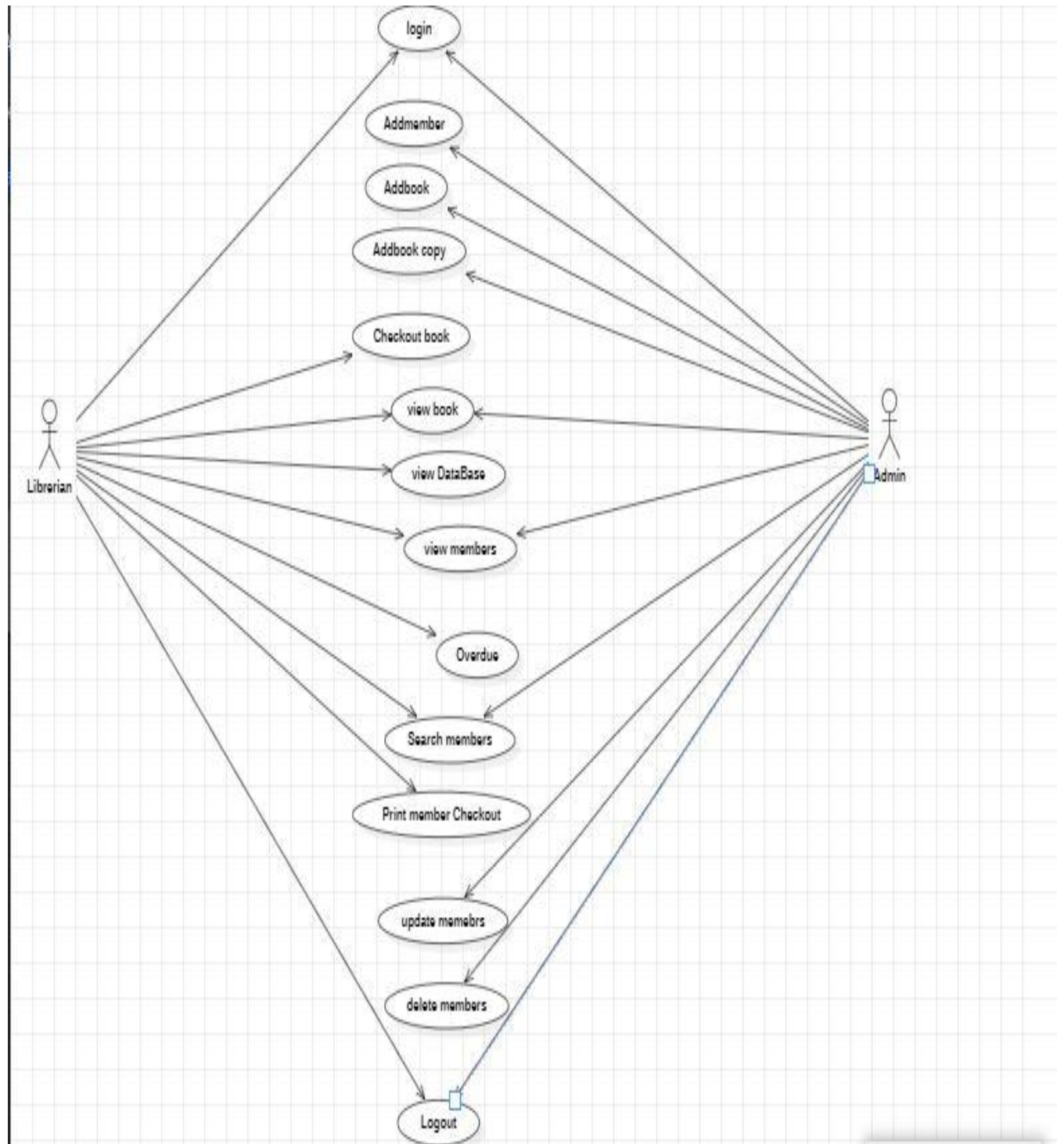
1. Implemented Functionalities

- i) Login (as admin or librarian or both)
- ii) Admin
 - a. Add, View, Search, Update, Delete Members
 - b. Add, View Book
 - c. Add Book Copy
- iii) Librarian
 - a. Checkout Book
 - b. View book
 - c. View checkout
 - d. View member detail
 - e. Search member
 - f. Print member checkout to console
 - g. View overdue
- iv) Logout

2. Extra Features Implemented

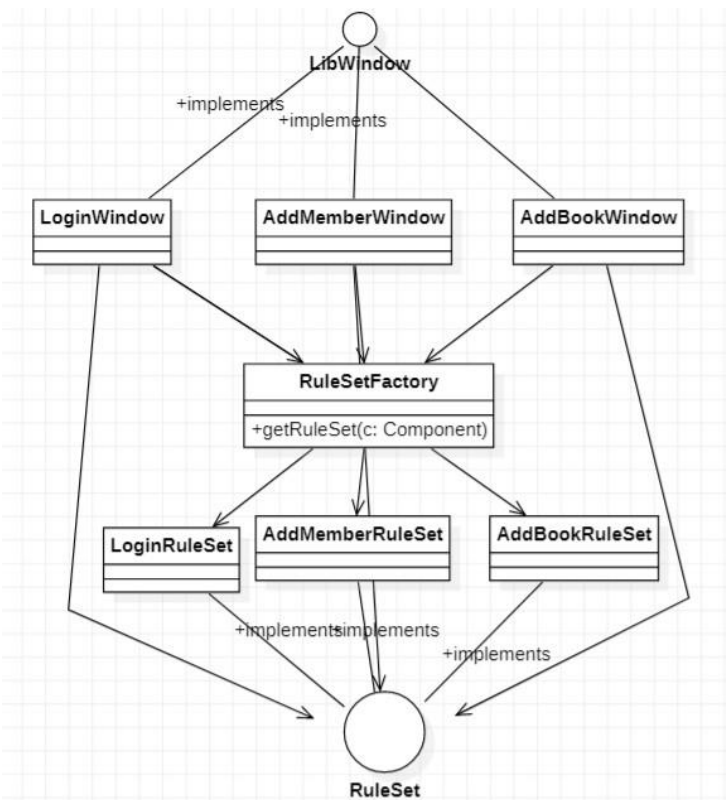
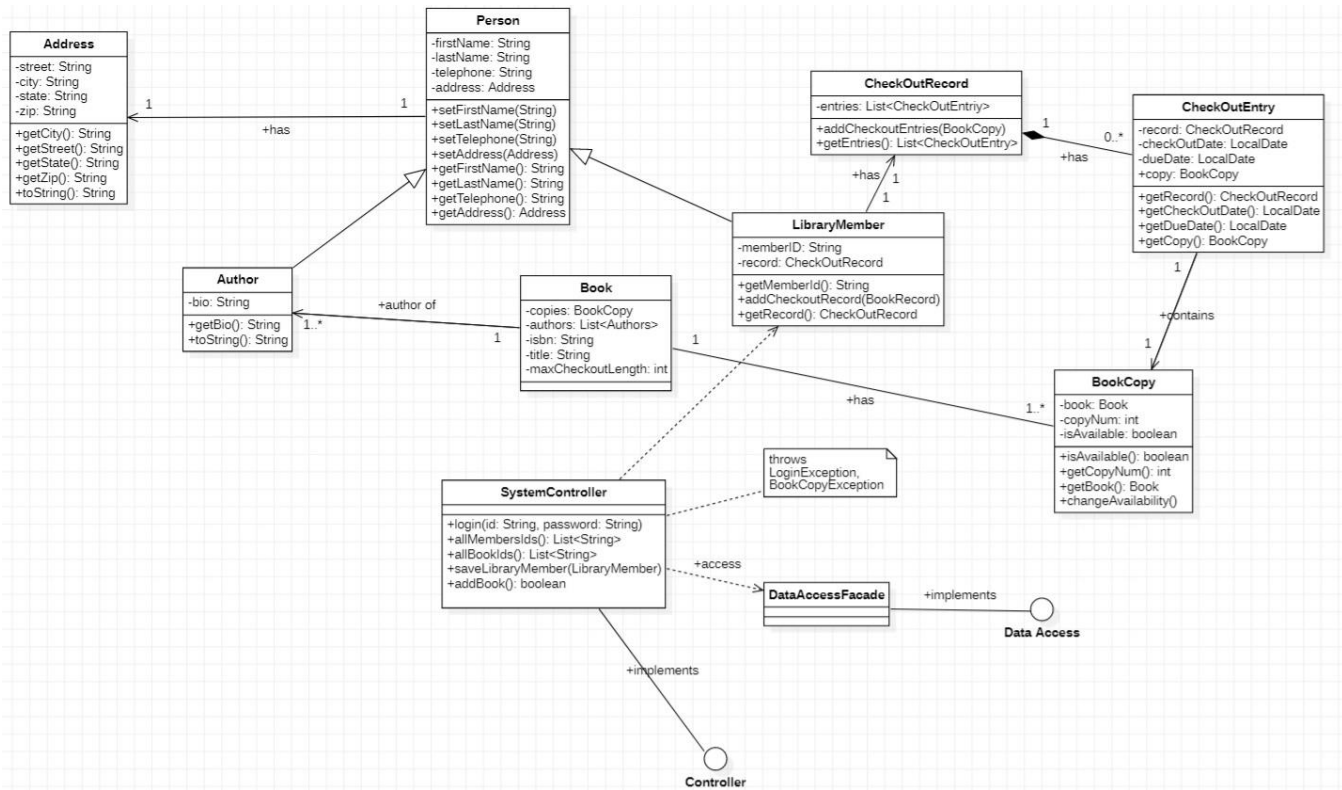
- a. Add a book to the library collection
- b. Given a library member id, print (to console) the checkout record of that library member
- c. Determine Overdue
- d. Update and delete members

3. Use Case Diagram



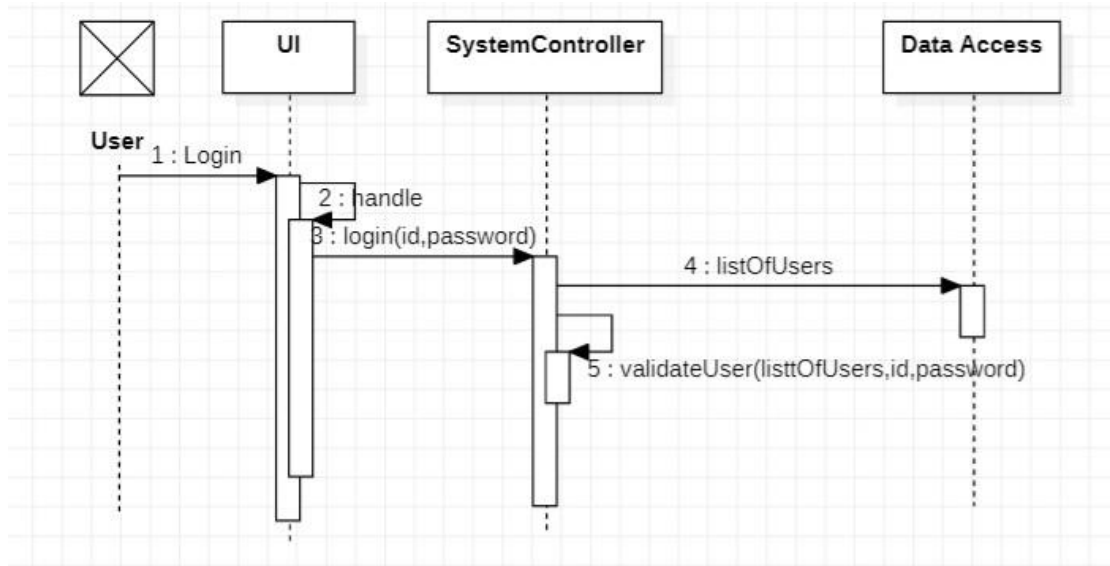
If the user is acting as both Librarian and Admin, then all the use cases will be applicable for it.

4. Class Diagram

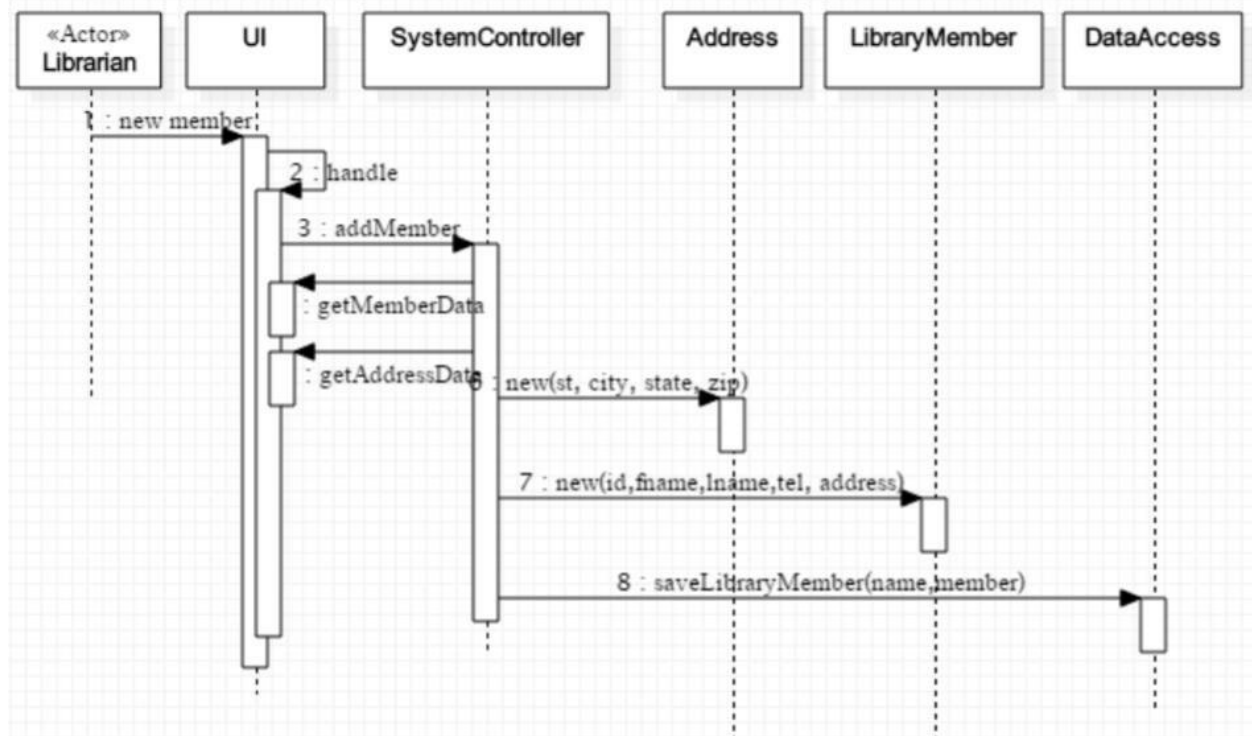


5. Sequence Diagram

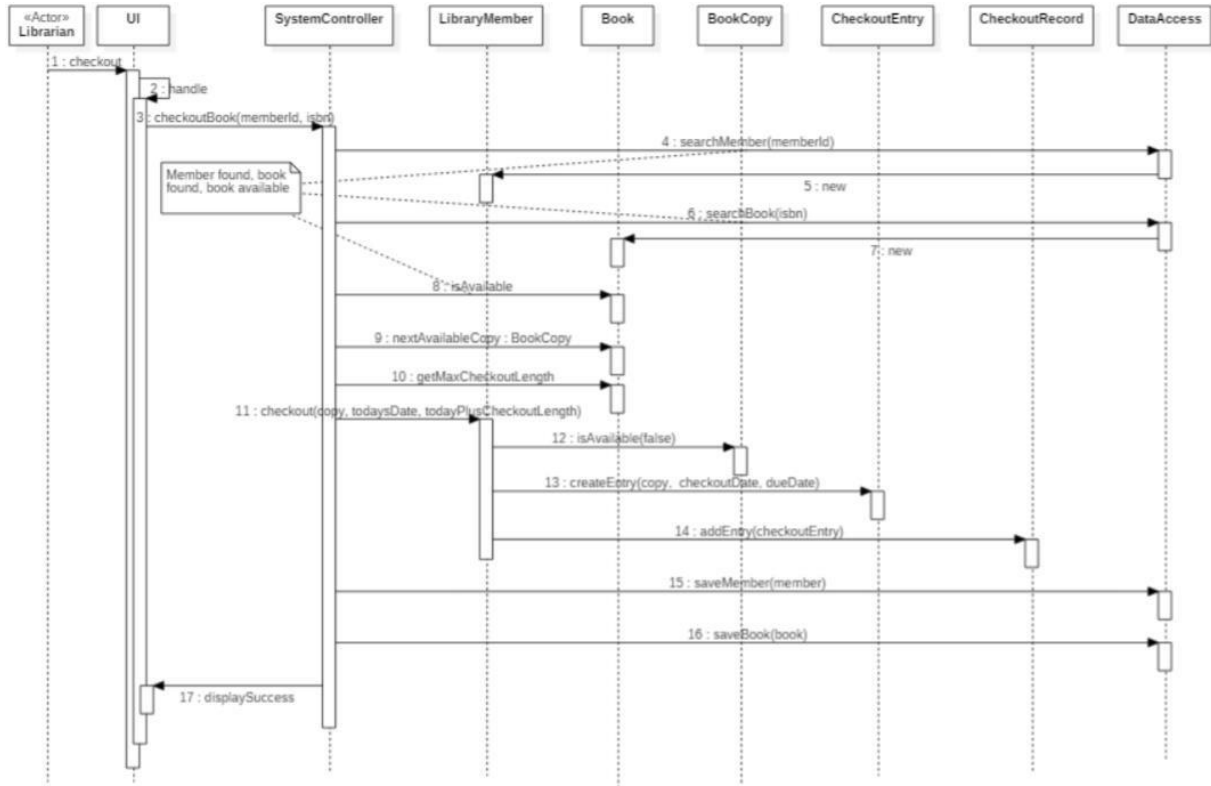
1. Login



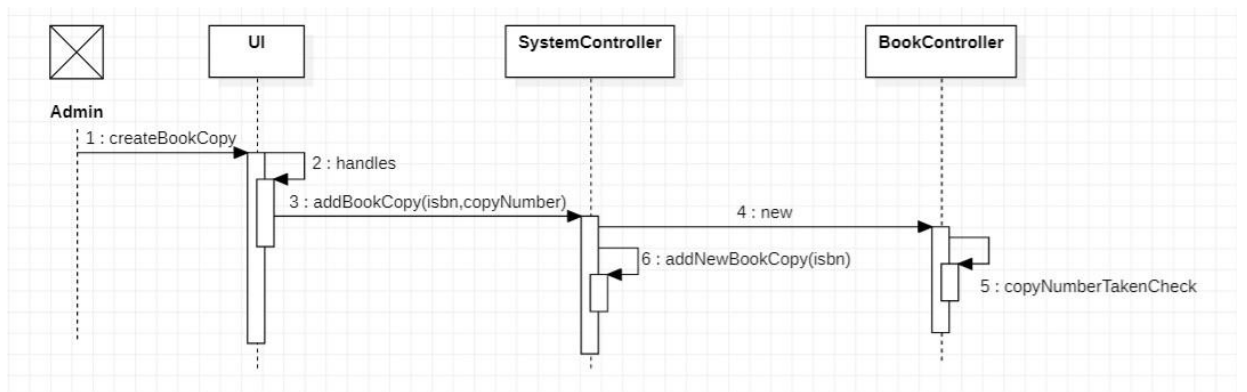
2. Add Member



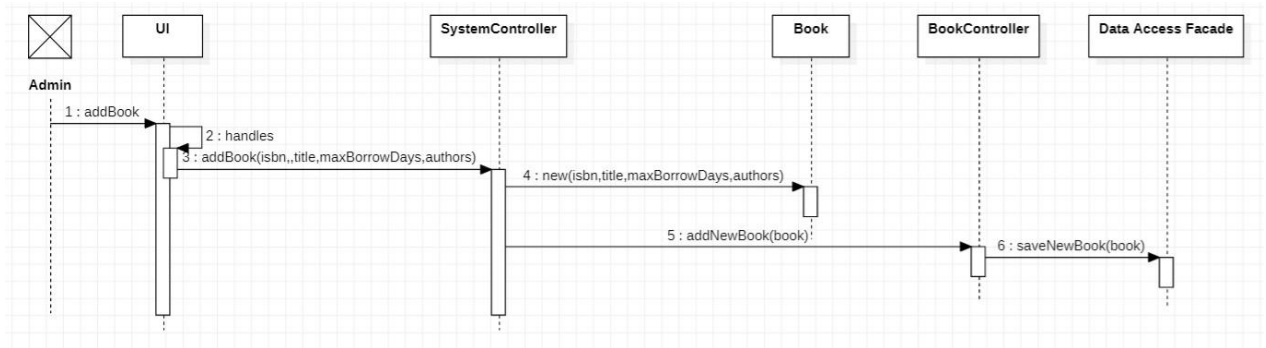
3. Check out book if available



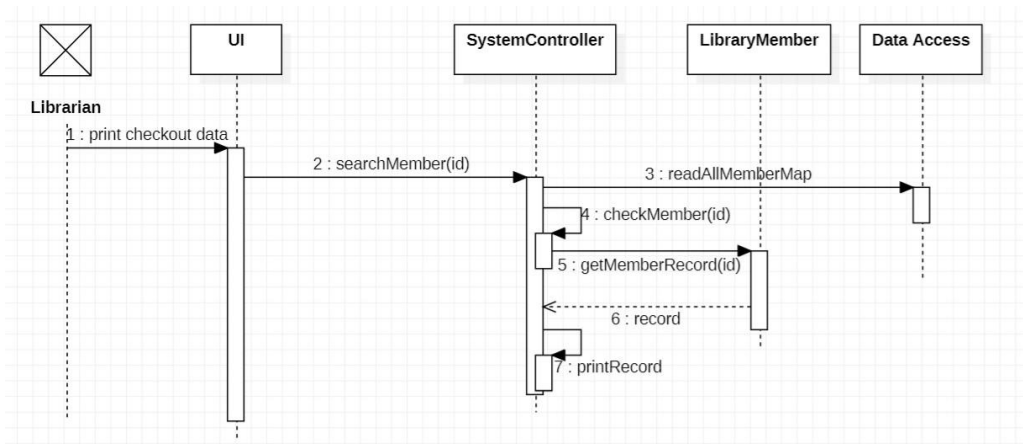
4. Add copy of an existing book



5. Add book to library



6. Print checkout data in the console



7. Overdue

