

LIBRARY MANAGEMENT SYSTEM

GROUP 3

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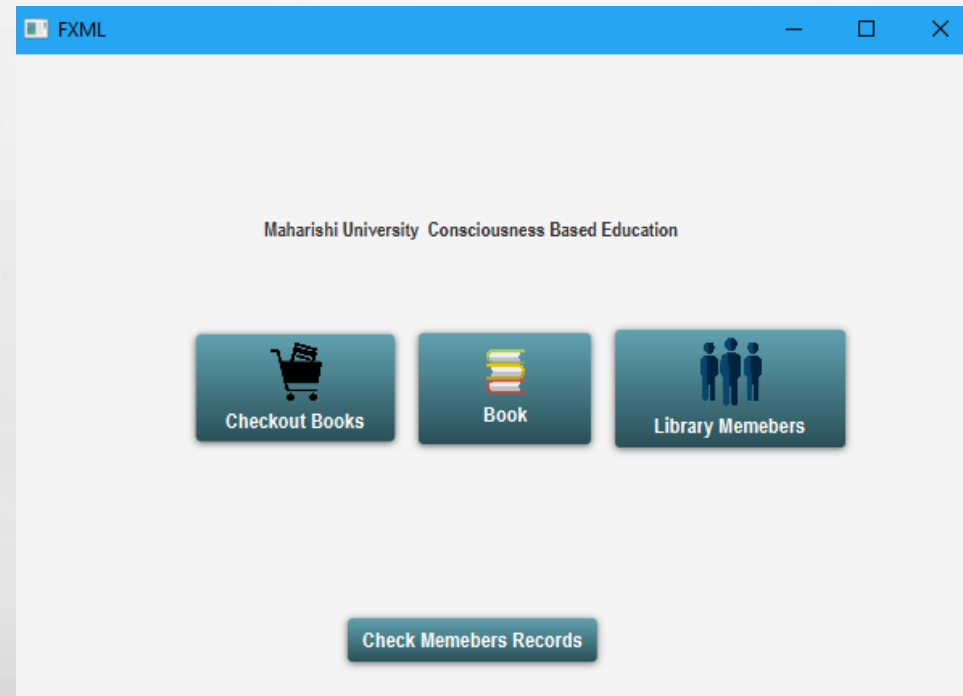
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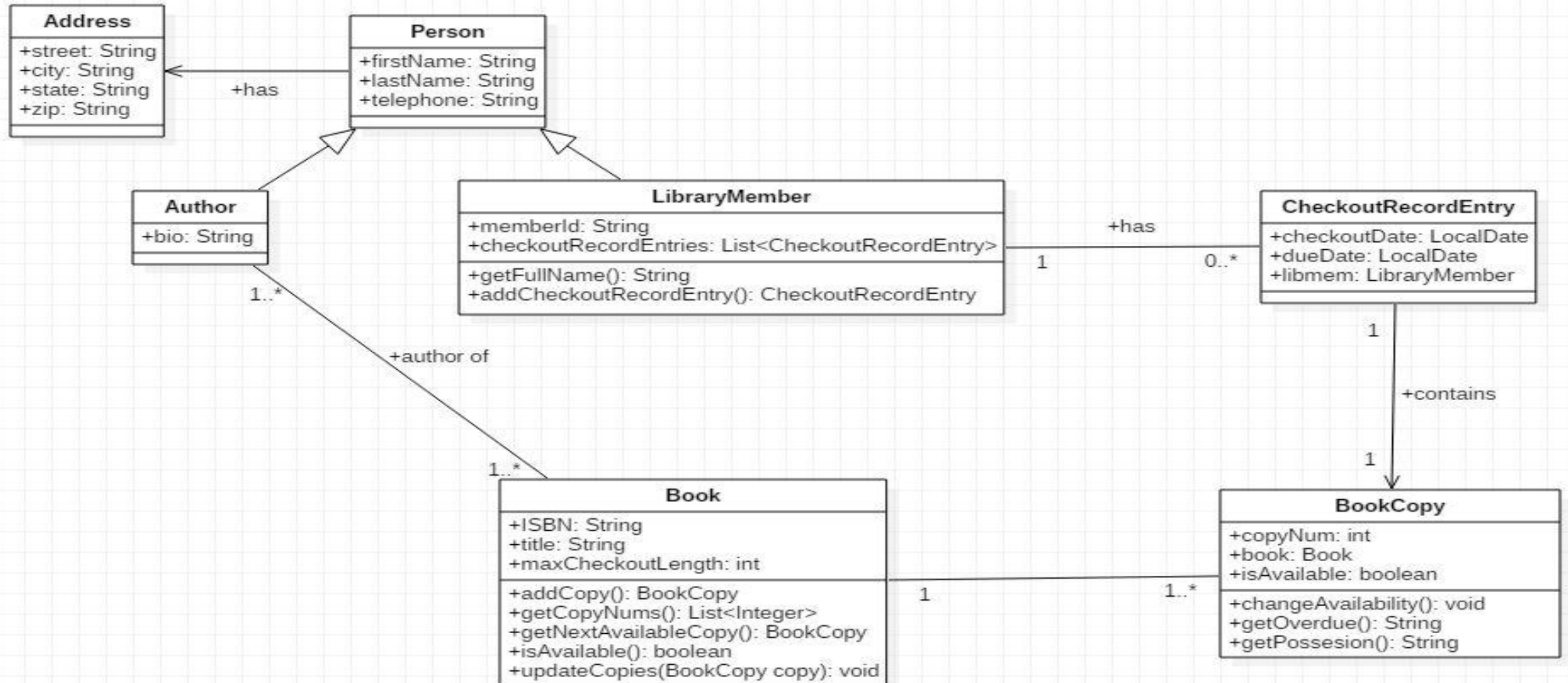
OUTLINE

- **DEMO APP**
- **USE CASE DIAGRAM**
- **CLASS DIAGRAM**
- **USE CASES & SEQUENCE DIAGRAMS**
 - **LOGIN**
 - **ADD/EDIT LIBRARY MEMBER**
 - **CHECKOUT A BOOK**
 - **ADD A COPY TO BOOK**
 - **VIEW USER CHECKOUT RECORD**
 - **CHECK COPY'S OVERDUE AND POSSESSION**

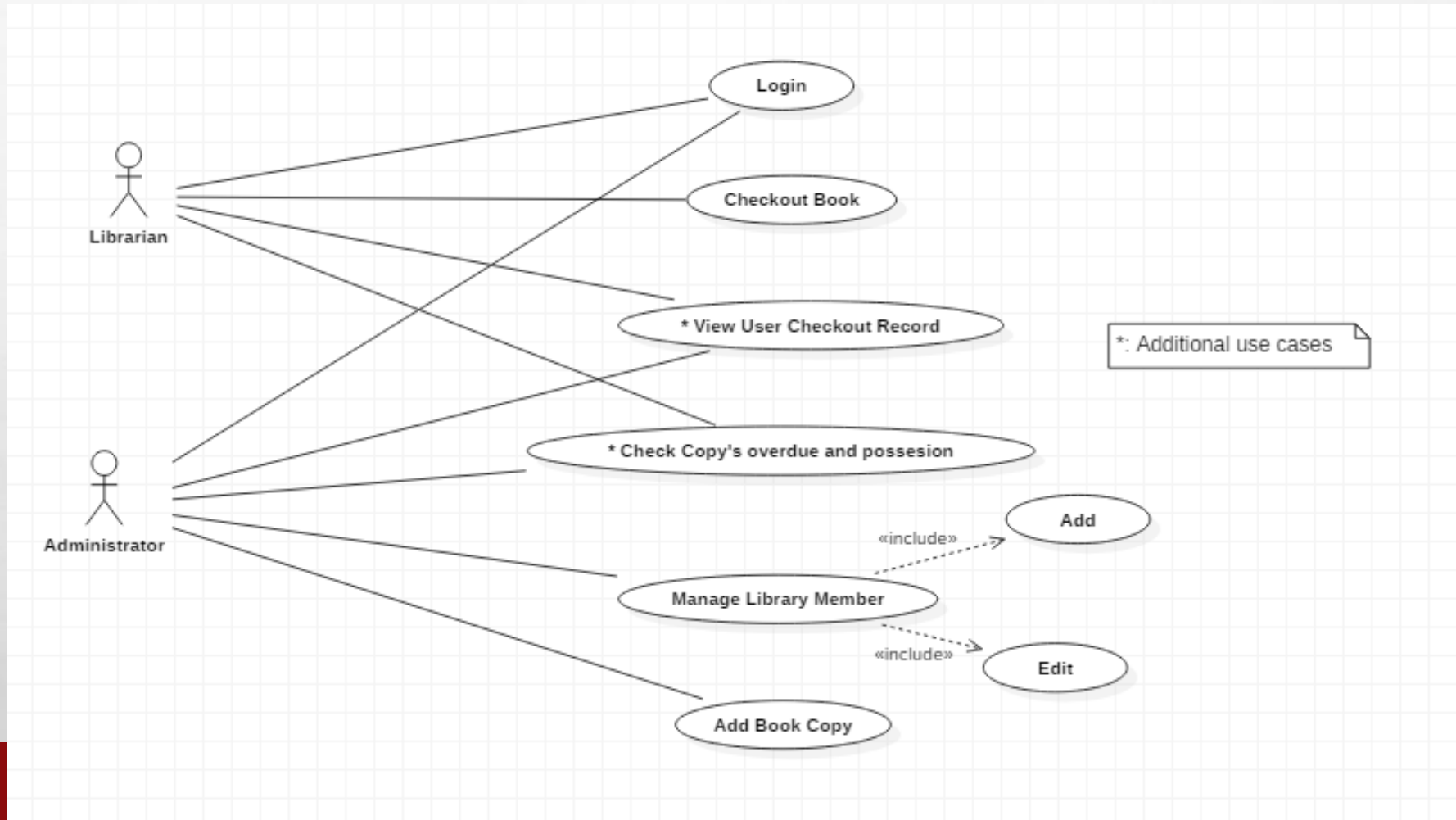
LIBRARY MANAGEMENT SYSTEM



CLASS DIAGRAM



USE CASES

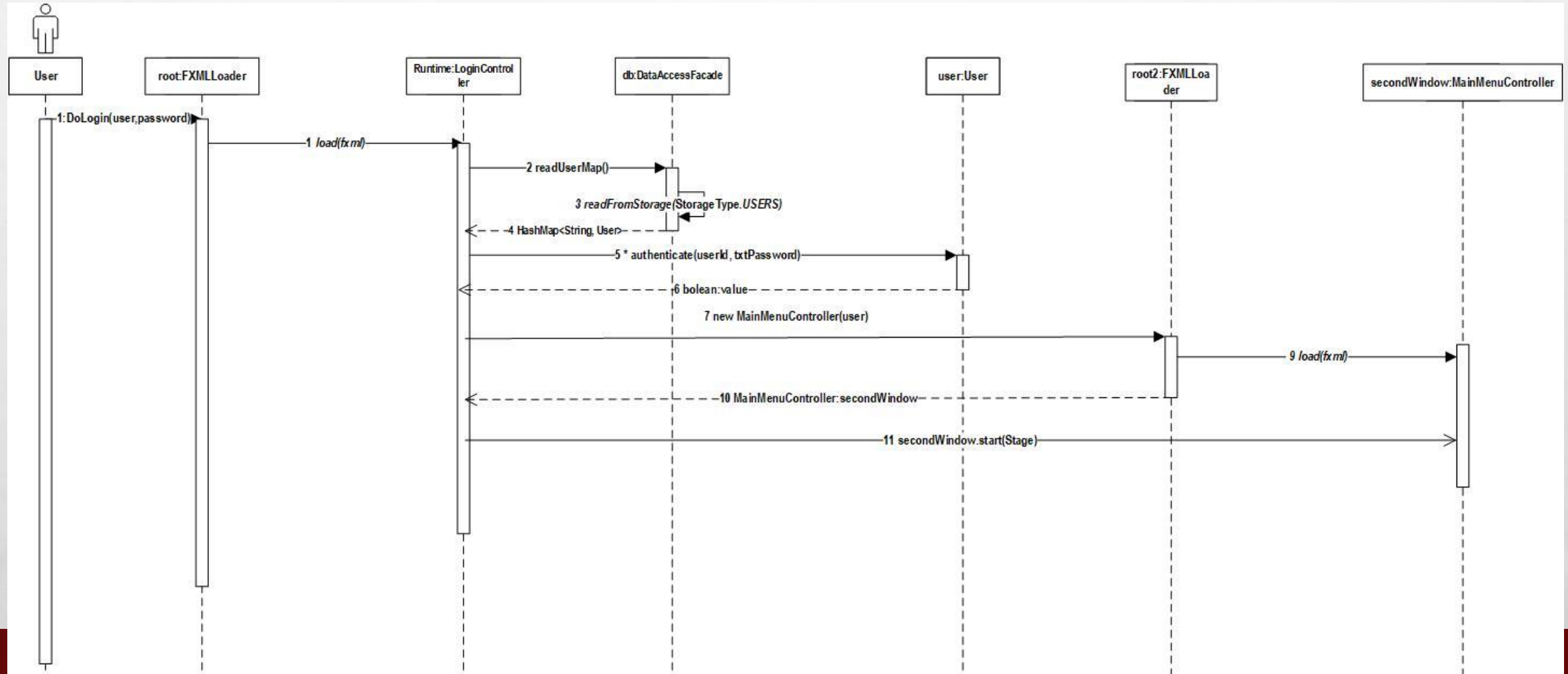


USE CASE 1 : LOGIN

- **Brief Summary**

- **User input ID and Password on login screen**
- **System validate the credentials, if ID and Password is valid, return authorization level and display main menu**
- **Authorization Level: Librarian, Admin, Both**

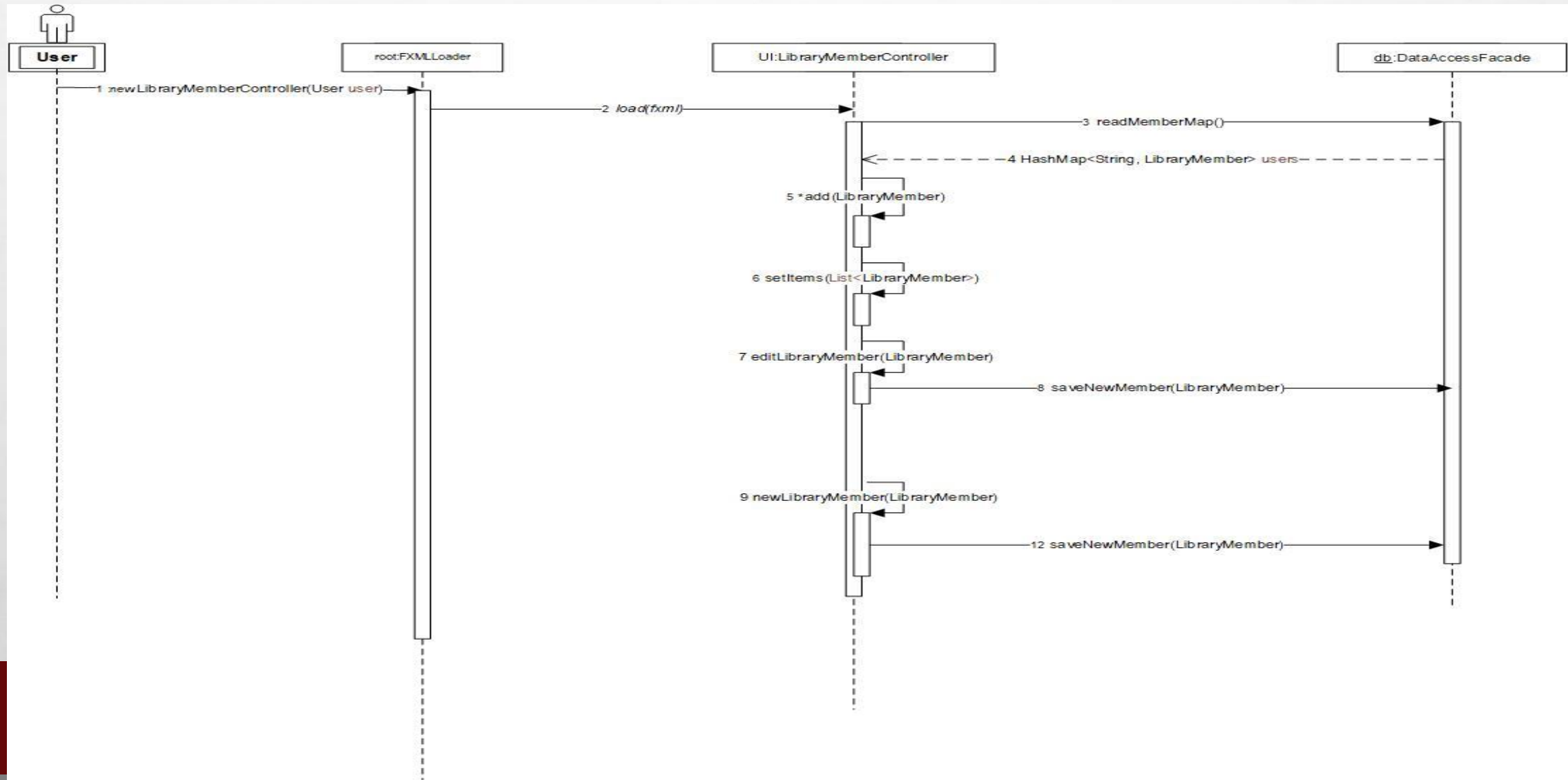
USE CASE 1: LOGIN



USE CASE 2 : ADD A MEMBER

- **Brief Summary:**
 - **System display a form of fields, including member id, first & last name, address, and telephone for user to input**
 - **After the data is enter and submitted, a new user is created and saved in the database**

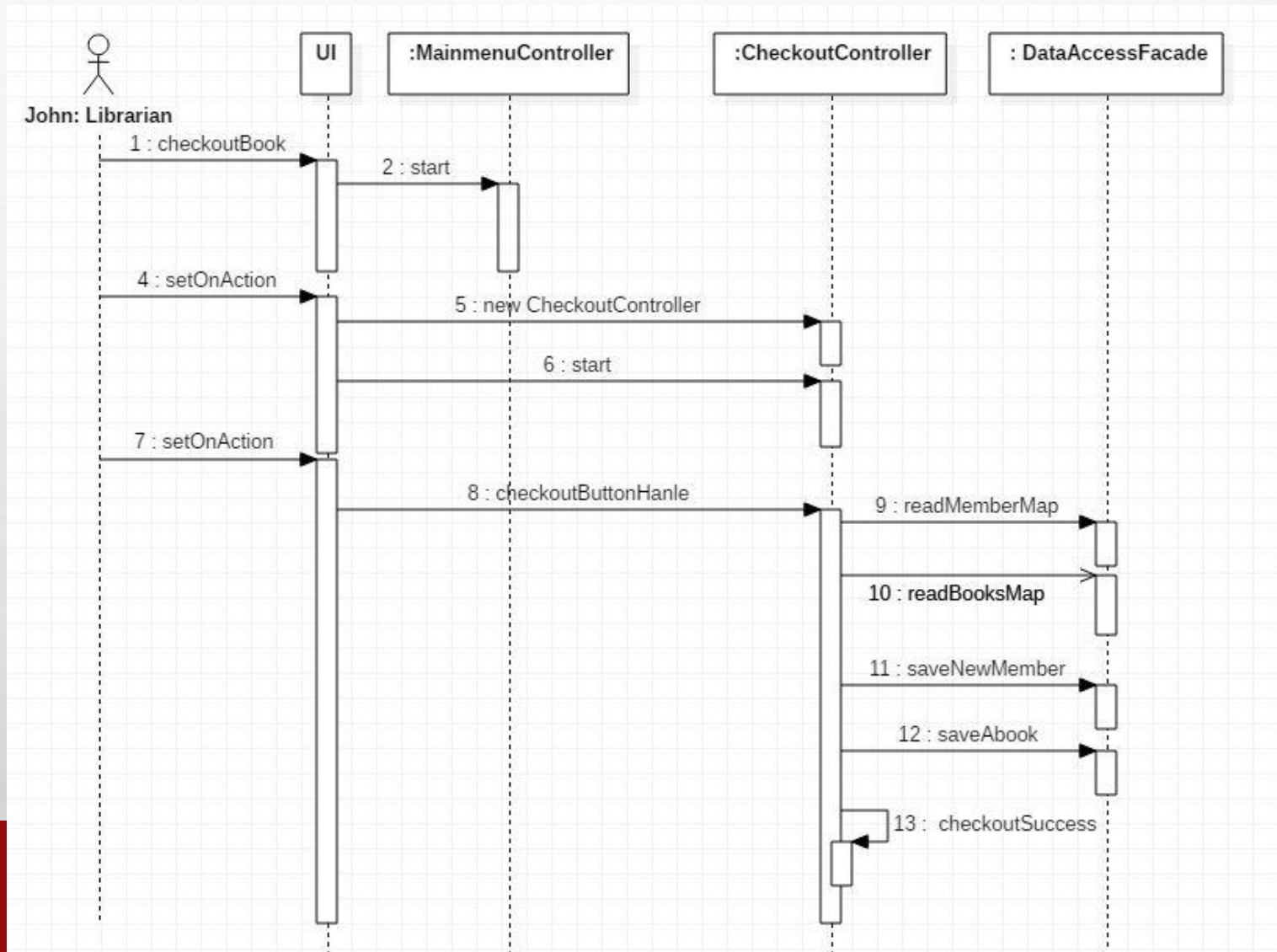
USE CASE 2 : ADD A MEMBER



USE CASE 3 :CHECKOUT A BOOK

- **Brief Summary:**
 - **The Librarian enter member's ID and ISBN into the interface**
 - **The System validate the inputs and create a new checkout record as well as changing the book's copy status and display a success message**

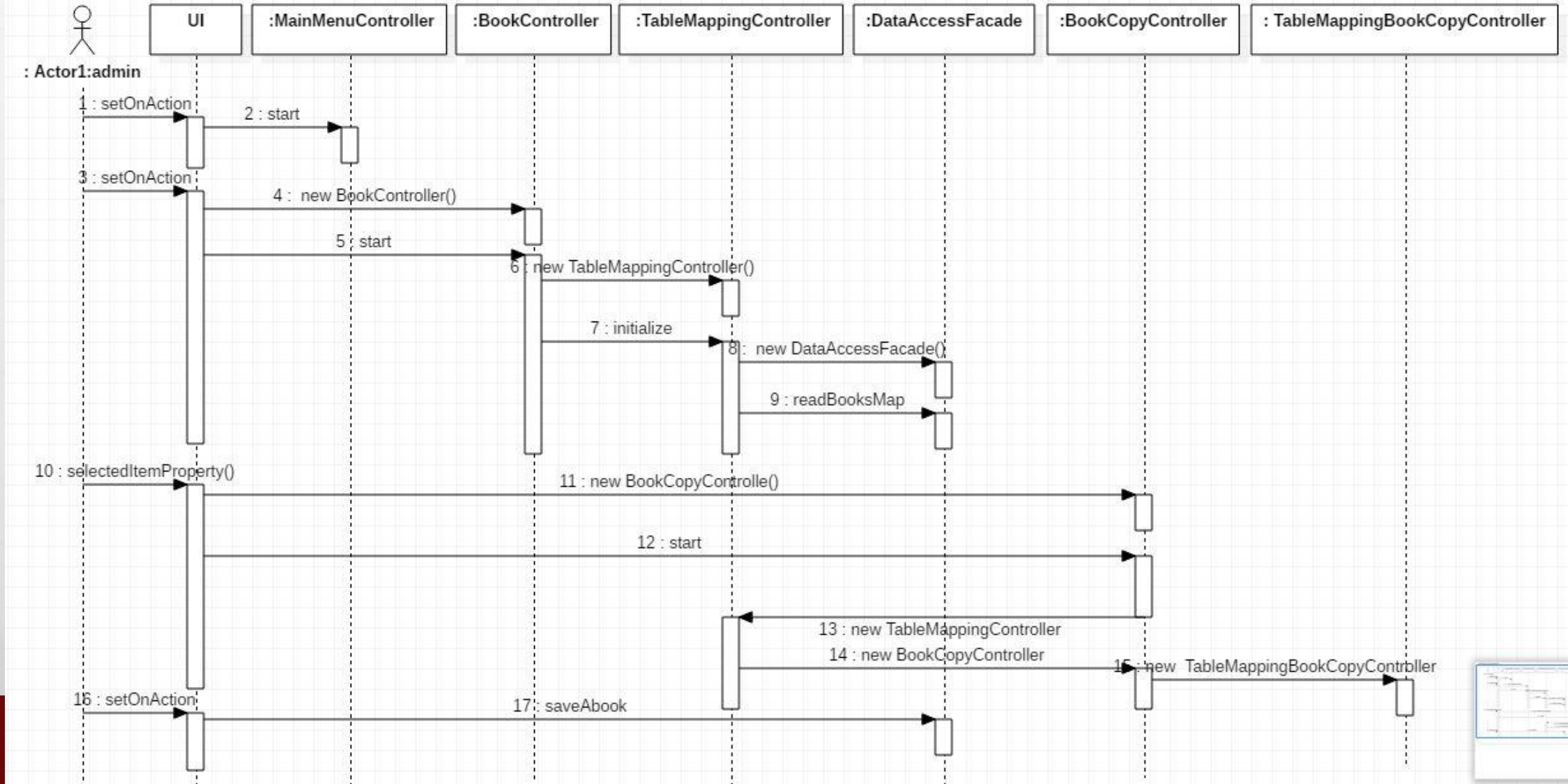
USE CASE 3 :CHECKOUT A BOOK



USE CASE 4 : ADD A COPY OF EXISTING BOOK

- **Brief Summary:**
 - **System display a Book list**
 - **Admin select a Book from the book list, and choose “add copy” to add a new copy of that book to the collection**

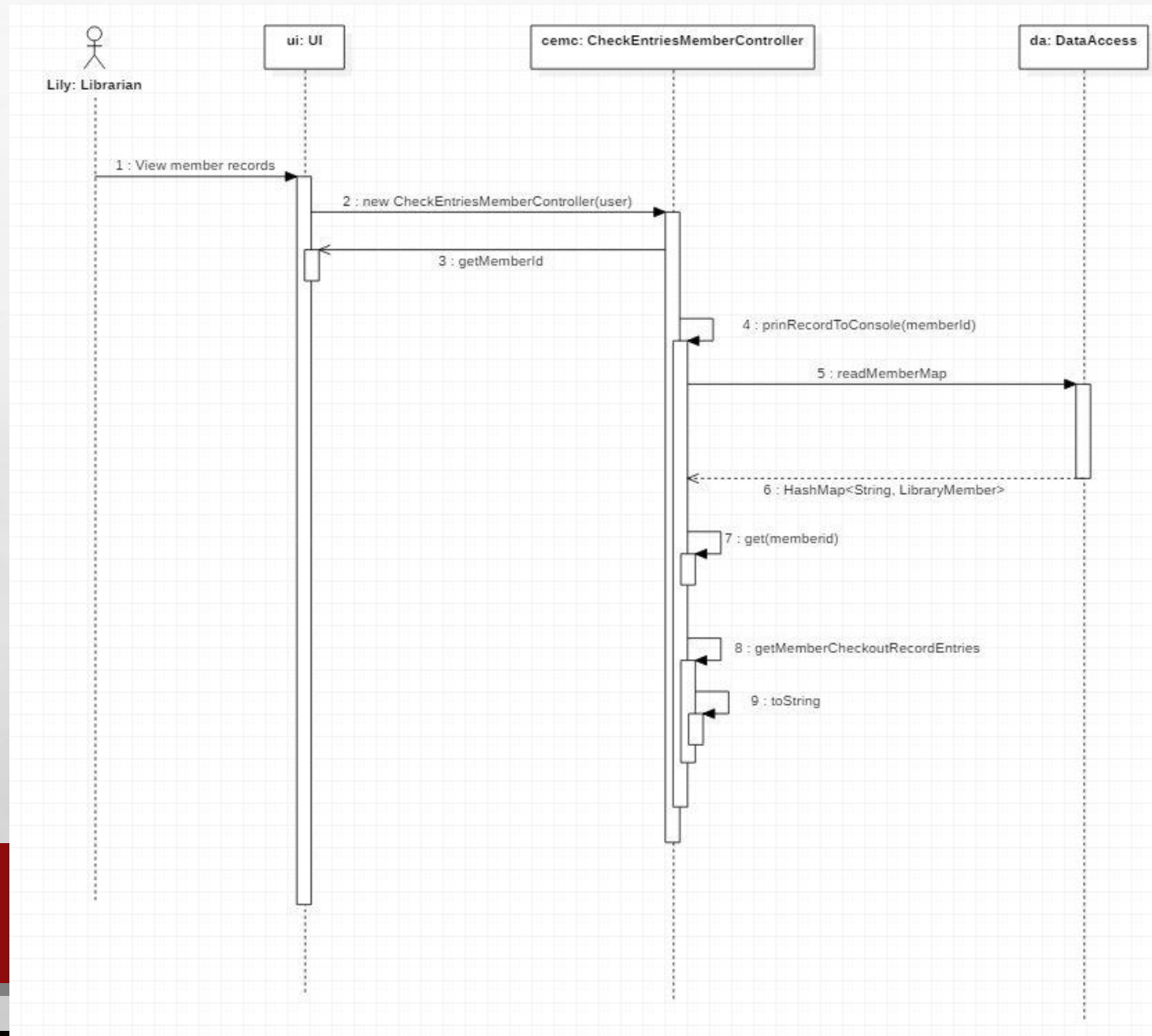
USE CASE 4 : ADD A COPY OF EXISTING BOOK



USE CASE 5 (ADDITIONAL) : VIEW MEMBER CHECKOUT RECORD HISTORY

- **Brief Summary:**
 - **The Librarian search for a Member using the member id**
 - **The System will print out the member's checkout record to the console**

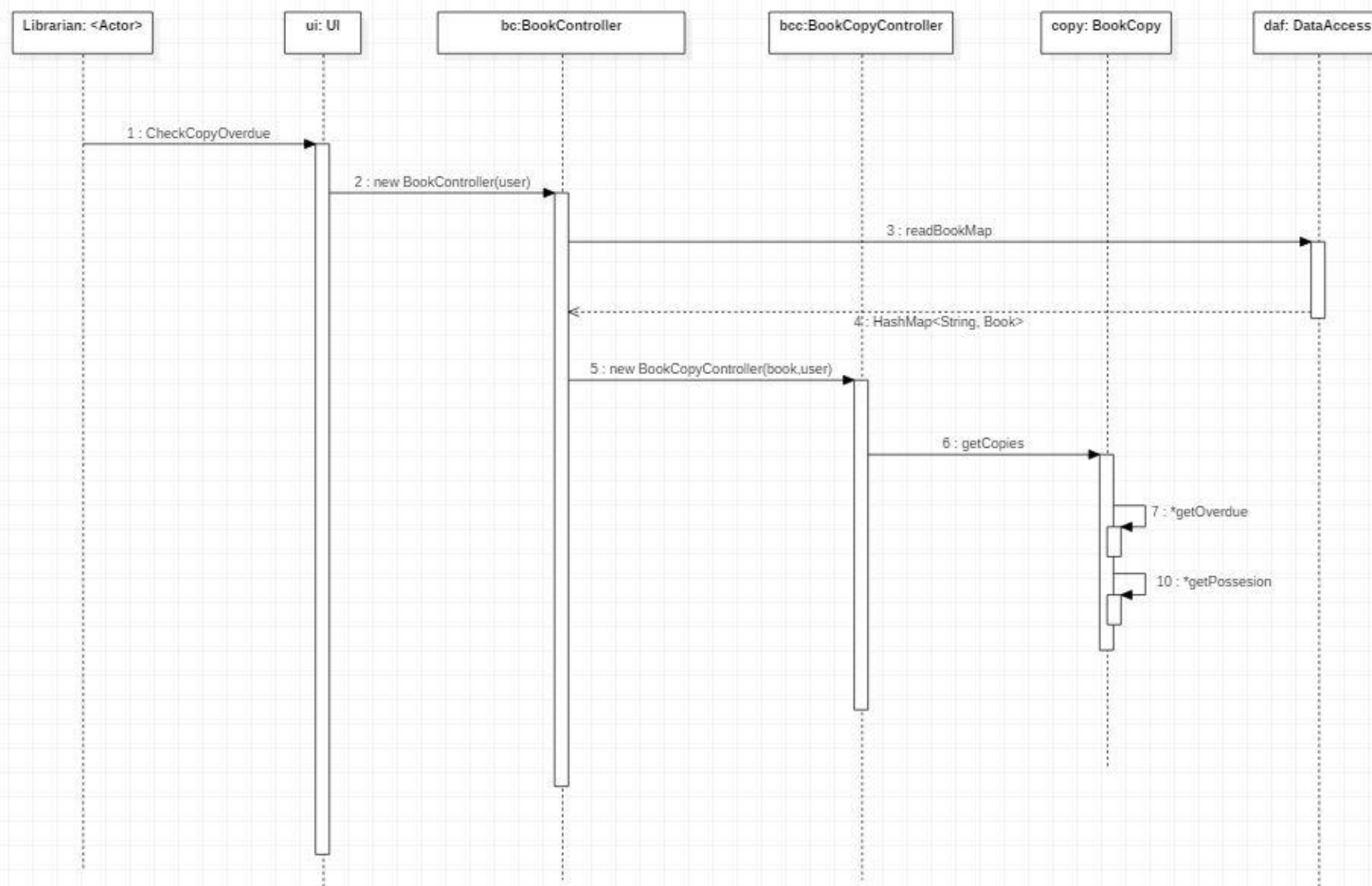
USE CASE 5 (ADDITIONAL) : VIEW MEMBER CHECKOUT RECORD HISTORY



USE CASE 6 (ADDITIONAL) : VIEW A COPY OVER DUE AND POSSESSION

- **Brief Summary:**
 - **The user Select a Book From Book List**
 - **The System display the Book's Copies, as well as each copy's availability, overdue status and which library member has it in his/her possession**

USE CASE 6 (ADDITIONAL) : VIEW A COPY OVER DUE AND POSSESION



**THANK
YOU!**

