

Iteration 2

- Check if media is checked out - Alex
- Calculate Late Fee - Alex
- Search Book - Taylor
- View Rental History -
 - Rental History
- View Customer - Shelby
- View Book - Shelby
 - author, title
- Pay Late Fee - Alex
- Login - Taylor
- Logout - Taylor

Interaction Diagrams:

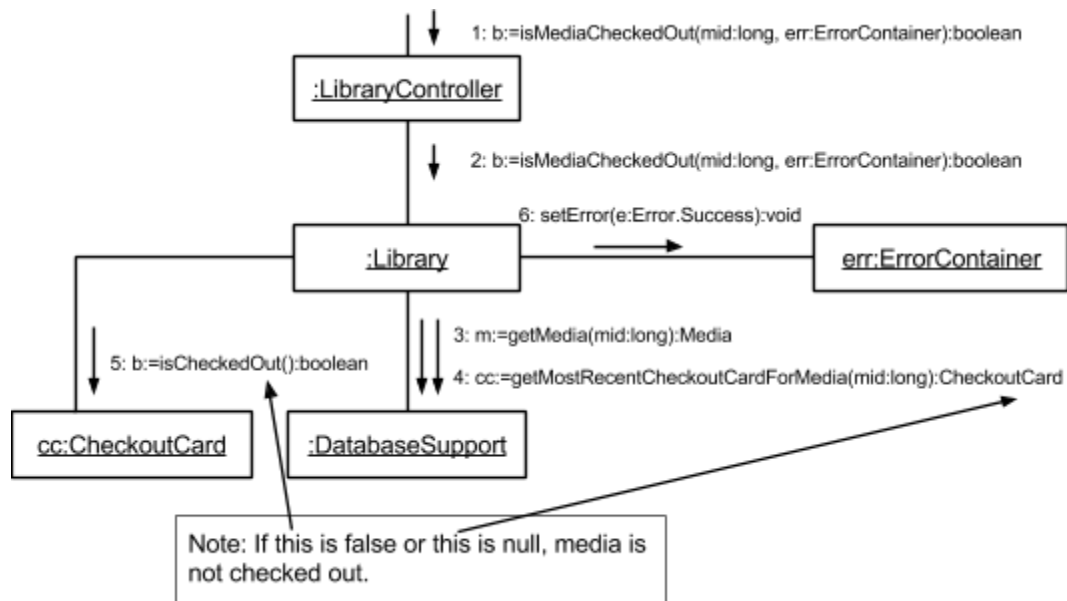
Use Case: Check if media is checked out

Actor: Staff member

Precondition: Logged on with staff privileges

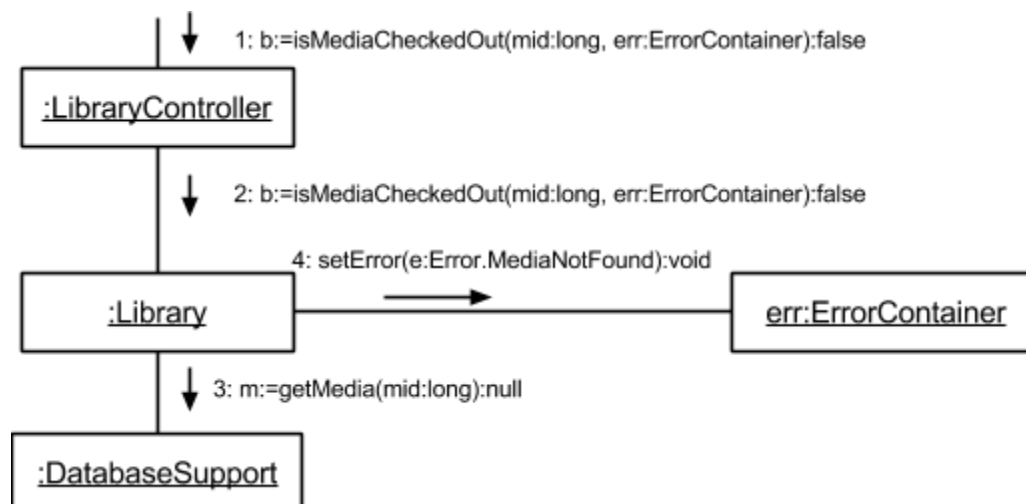
Main Success Scenario:

1. Staff member provides media id.
2. System returns whether media is currently checked out.



Extensions:

- 1a. Media does not exist in system
 - i. System notifies user of error



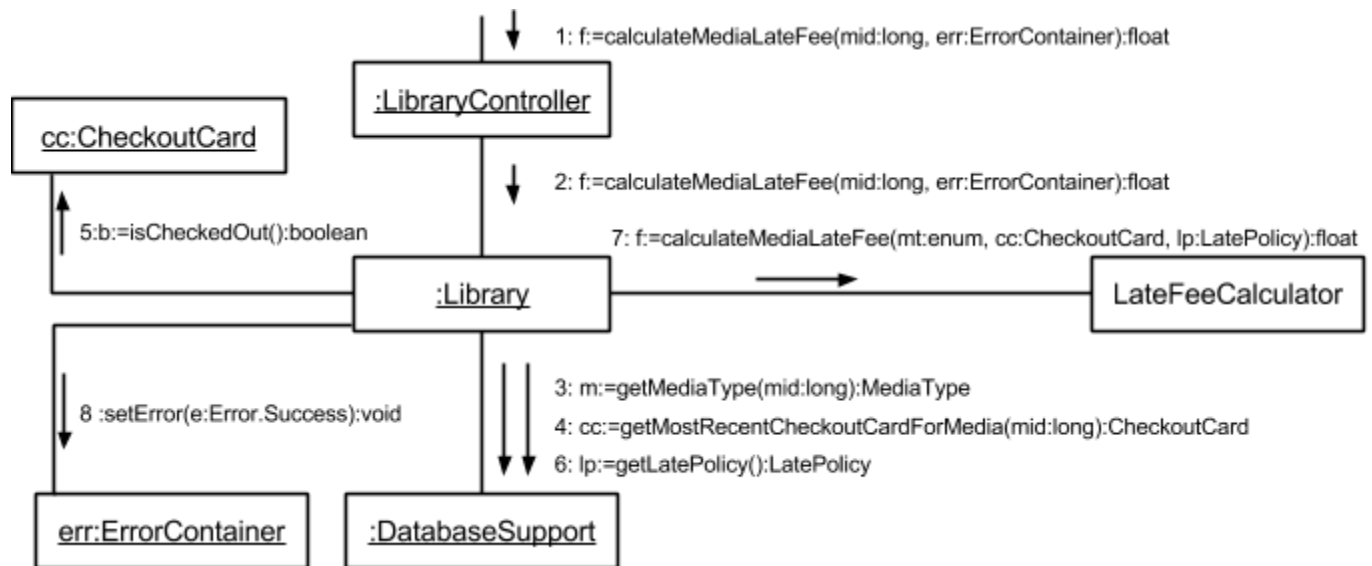
Use Case: Calculate Media Late Fee

Actor: Staff member

Precondition: Logged on with staff privileges

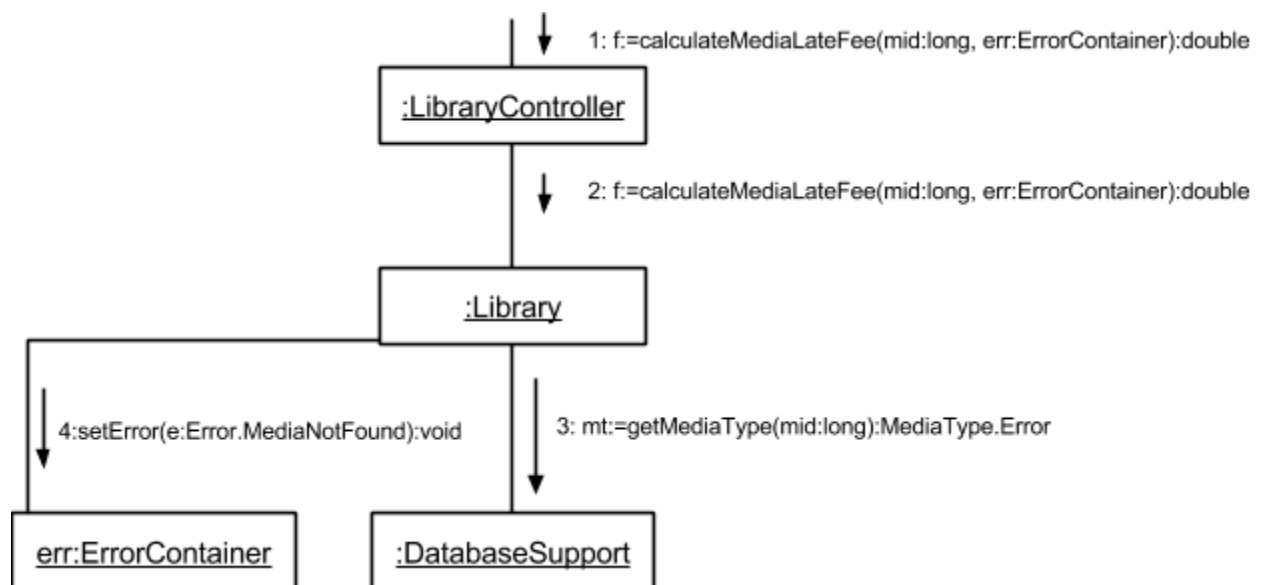
Main Success Scenario:

1. Staff member provides media id.
2. System returns late fee for media.

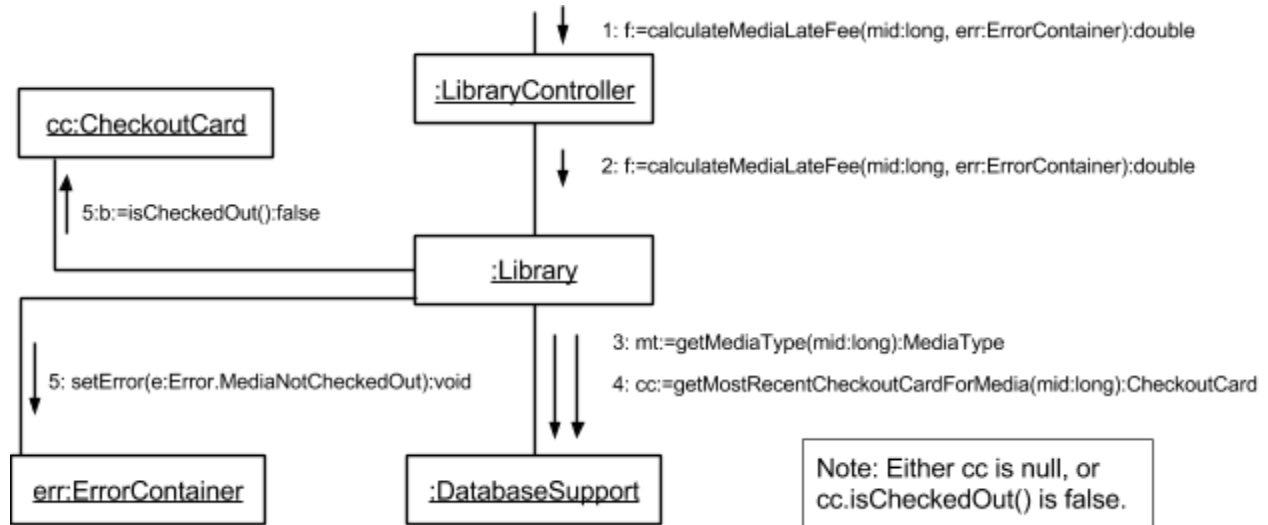


Extensions:

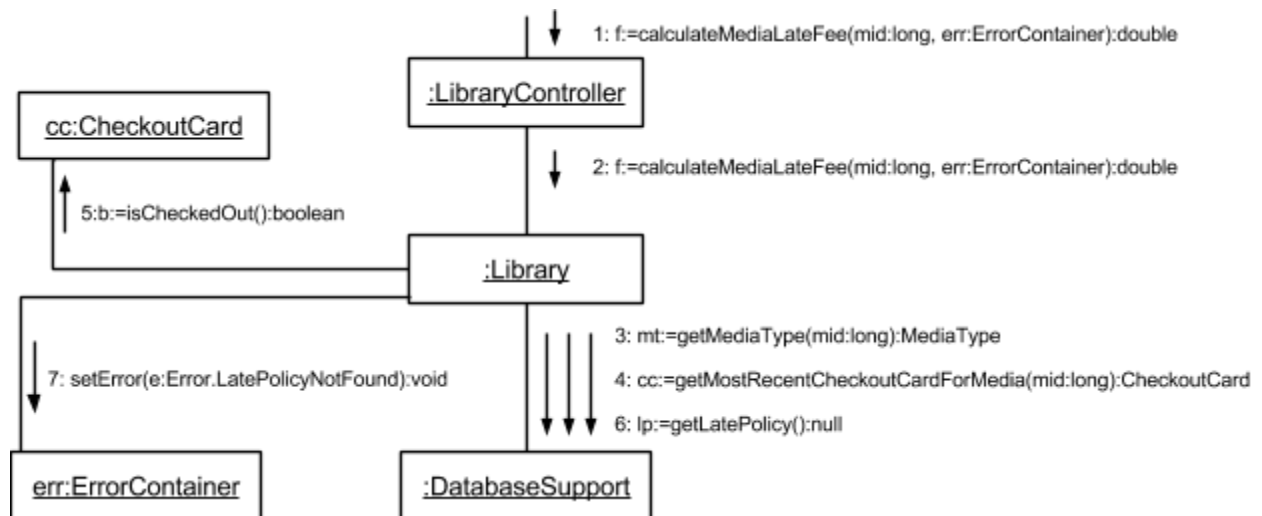
- 1a. Media id does not exist in system
 - i. System notifies user of error



- 1b. Media is not checked out
- i. System notifies user of error



- 1c. No late policy is set
- i. System notifies user of error



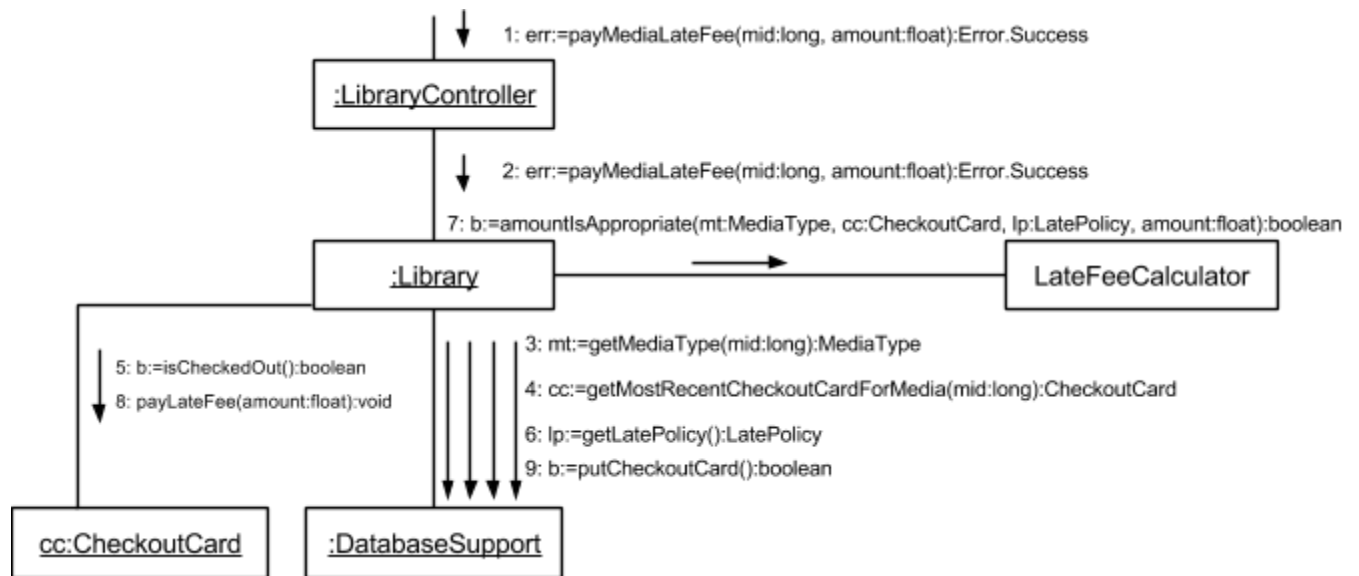
Use Case: Pay Late Fee

Actor: Staff member

Precondition: Logged on with staff privileges

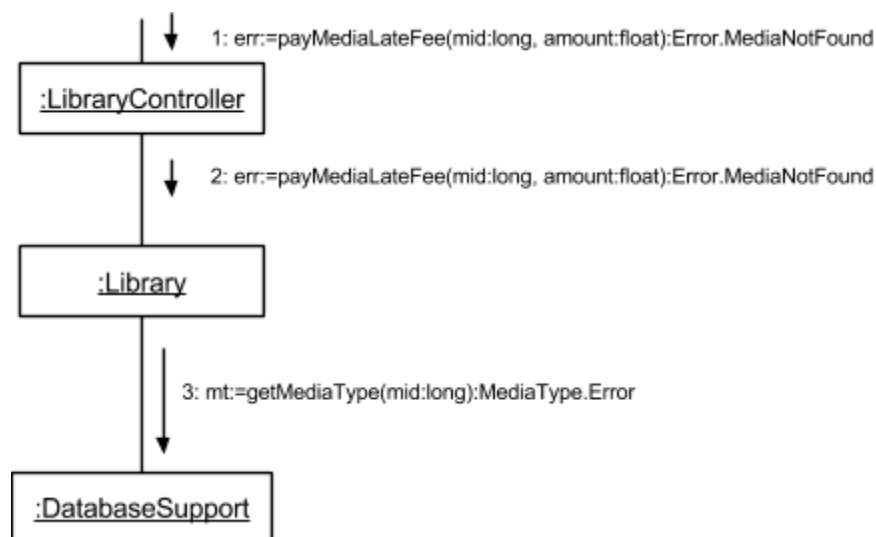
Main Success Scenario:

1. Staff member provides media id and amount to pay.
2. System notifies user of operation success.

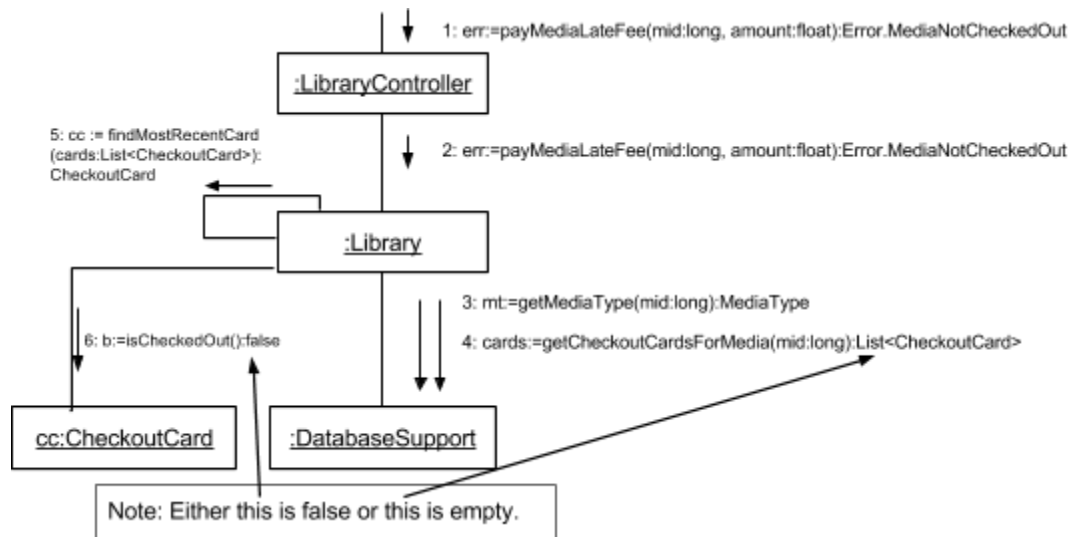


Extensions:

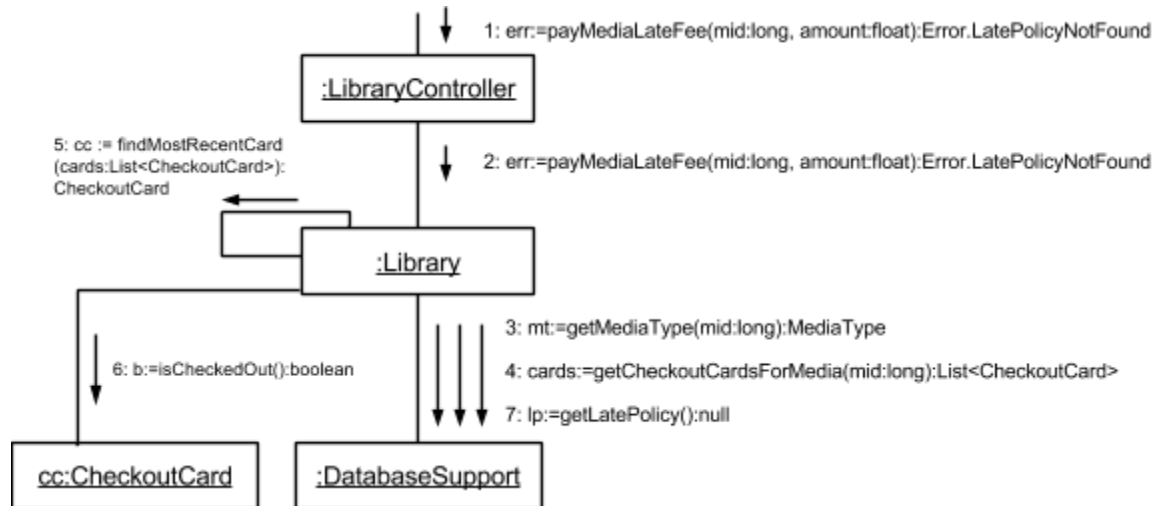
- 1a. Media id does not exist in system
 - i. System notifies user of error



- 1b. Media is not checked out
- i. System notifies user of error.

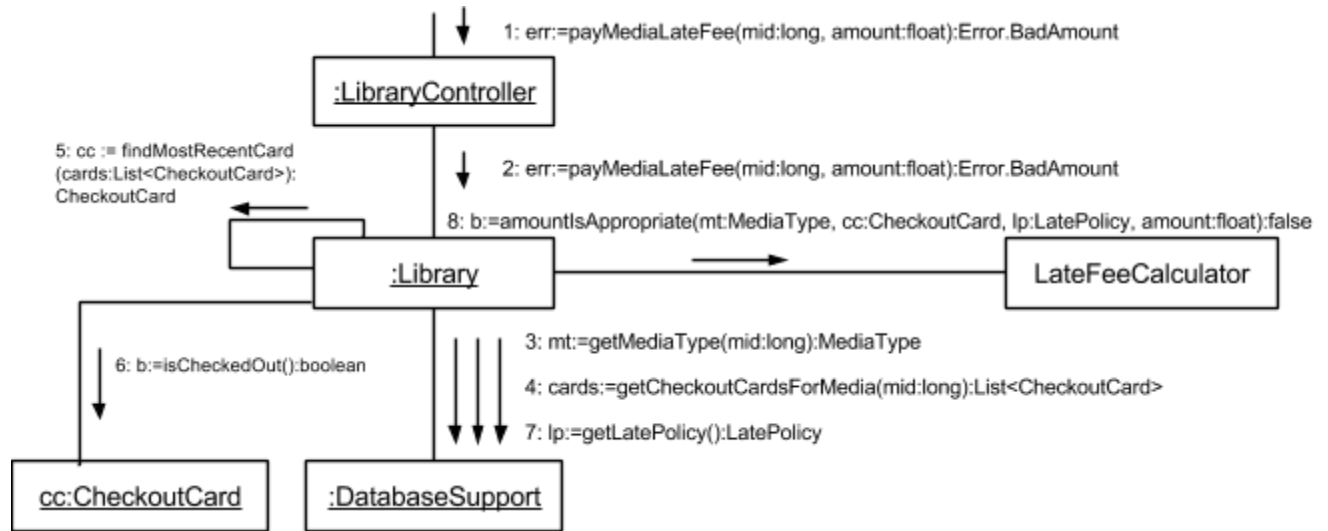


- 1c. No late policy is set
- i. System notifies user of error.



1d. Amount is greater than the whole late fee

i. System notifies user of error



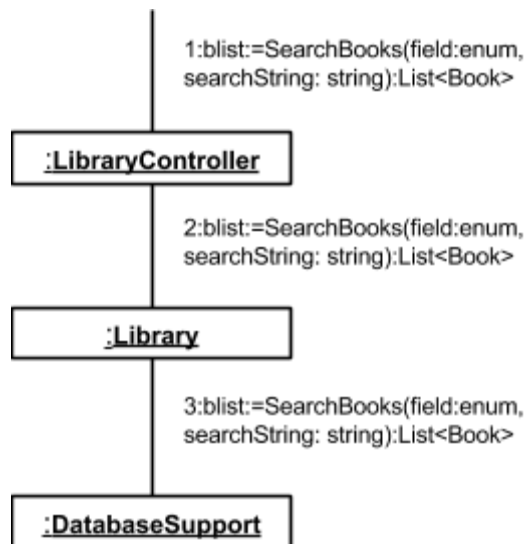
Use Case: Search Book

Actor: Customer, Librarian, Admin

Precondition: None

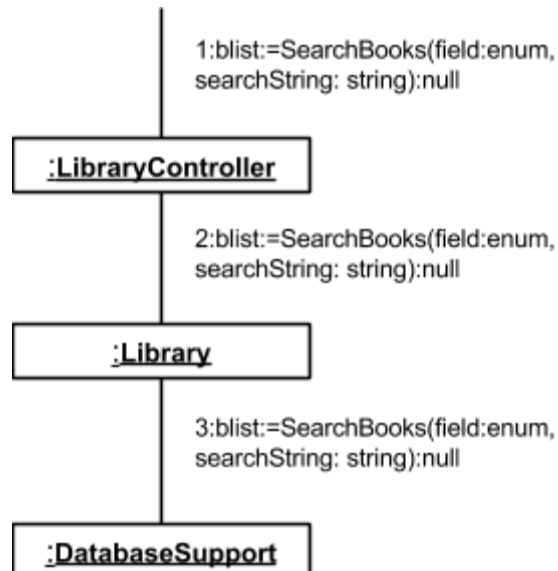
Main Success Scenario:

1. The User provides a field of book as well as a string to search.
2. The System returns a list of search results.



Extensions:

- 1a. The field is not valid for Book.
 - i. The System returns a null set



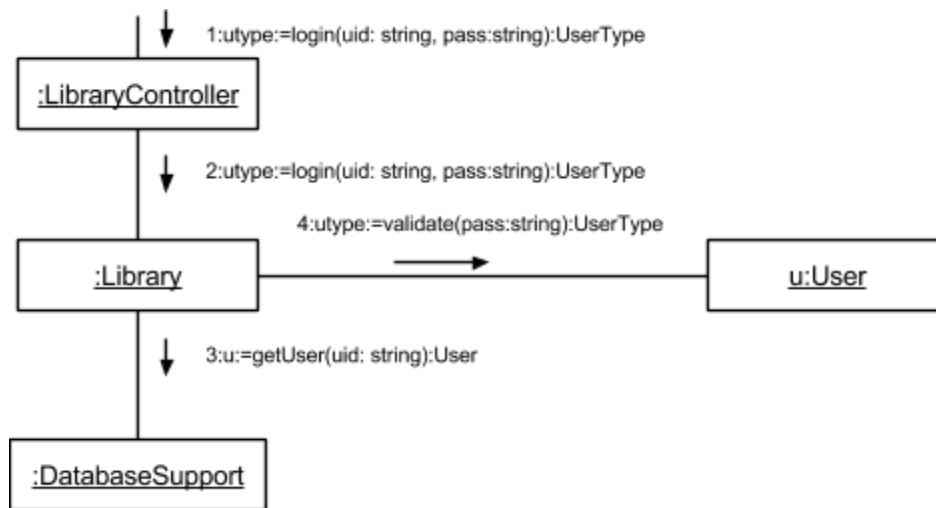
Use Case: Login

Actor: Customer, Librarian, Admin

Precondition: None

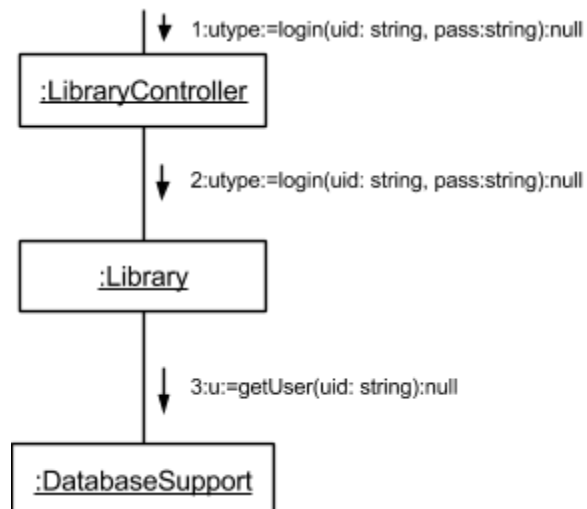
Main Success Scenario:

1. The User provides their username and password
2. The System returns the type of user logged in.

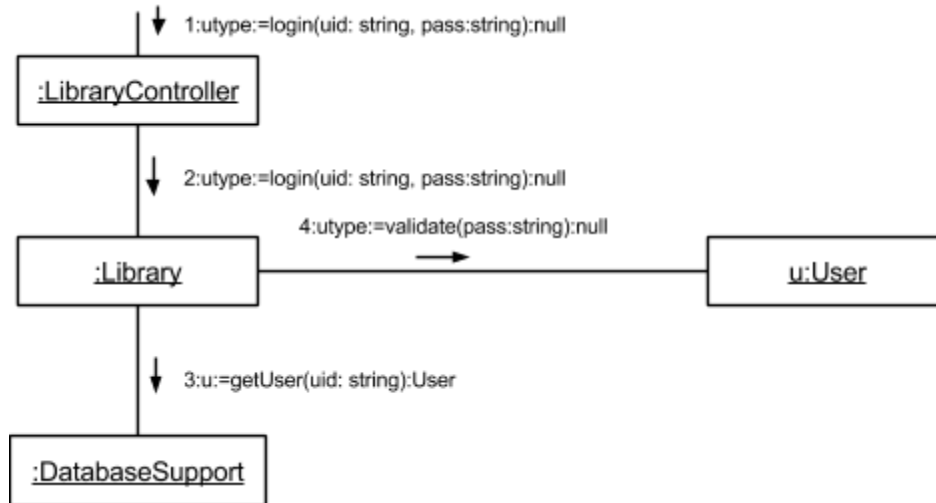


Extensions:

- a. Entered username does not exist
 - i. The system notifies the user that the username does not exist



- b. Entered password is incorrect
 - i. The system notifies the user that the password typed is incorrect



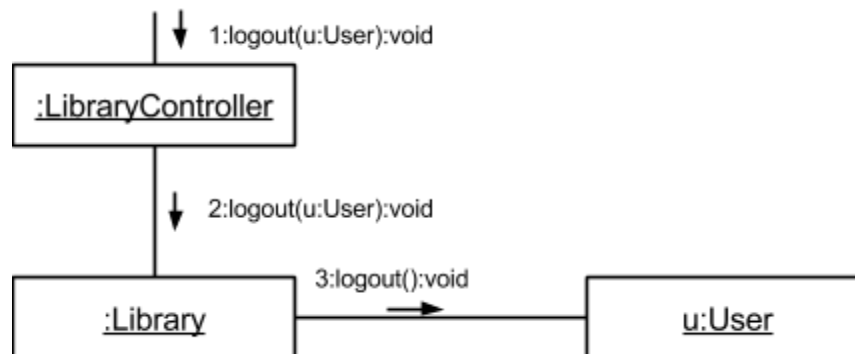
Use Case: Log out

Actor: Agent, Performer

Precondition: Login

Main Success Scenario:

1. User designates that they'd like to log out
2. User is logged out



Use Case: View Book

Actor: Customer, Librarian, Admin

Precondition: none

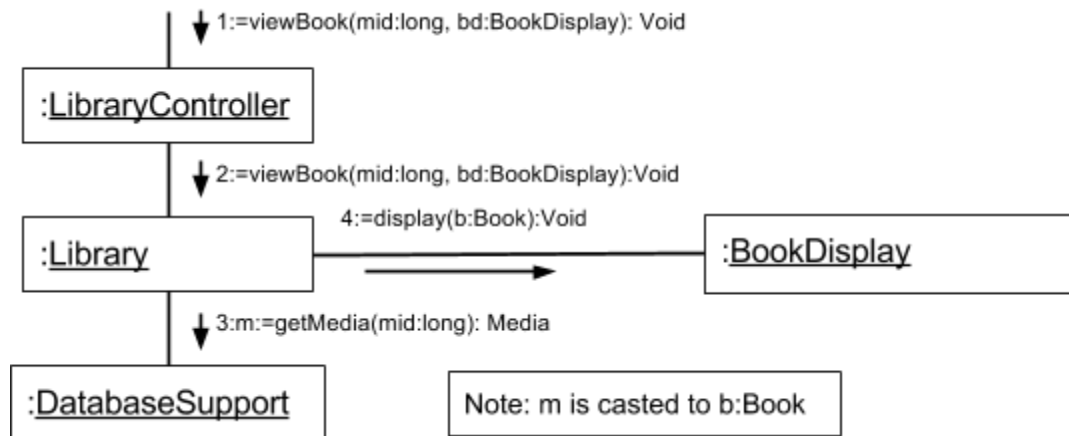
Main Success Scenario:

1. The user provides the book id
2. The system displays all values associated with that book

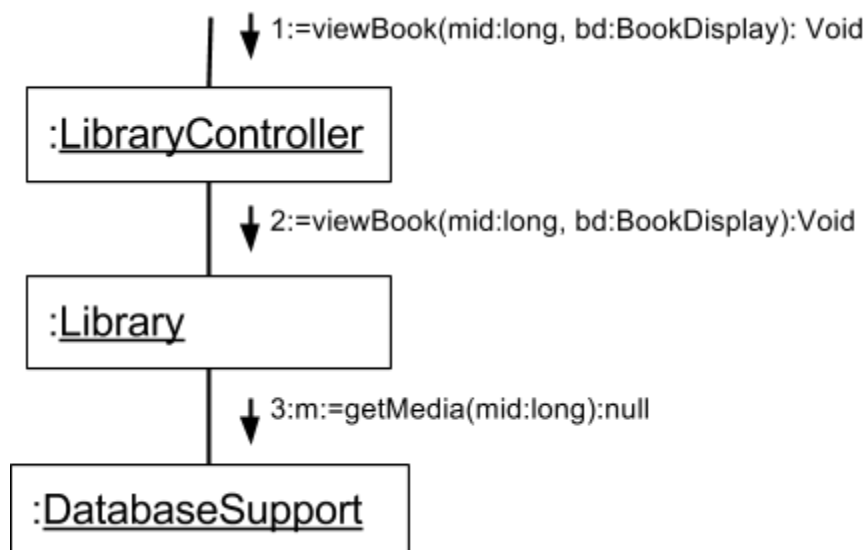
Extensions:

- 1a. The book ID does not exist.

Interaction Diagram (MSS)



Interaction Diagram Extension 1a



Use Case: View Customer

Actor: Librarian, Admin

Precondition: Log on

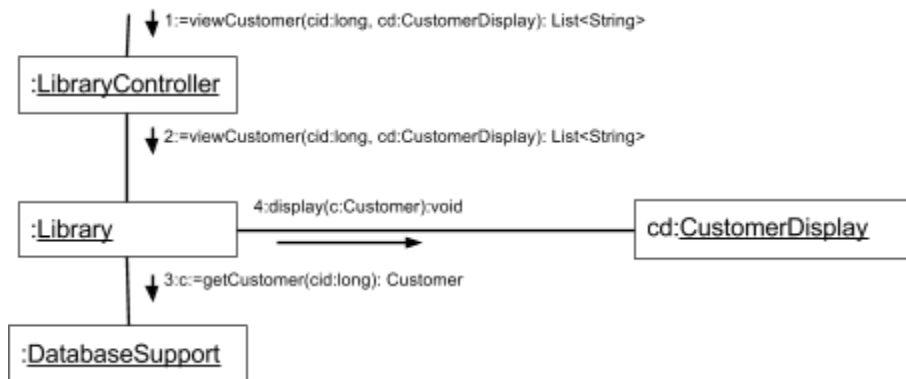
Main Success Scenario:

1. The system is given the customer ID
2. The system displays all values associated with that customer

Extensions:

- 1a. The Customer ID does not exist.

Interaction Diagram (MSS)



Interaction Diagram Extension 1a

