



# Library Application

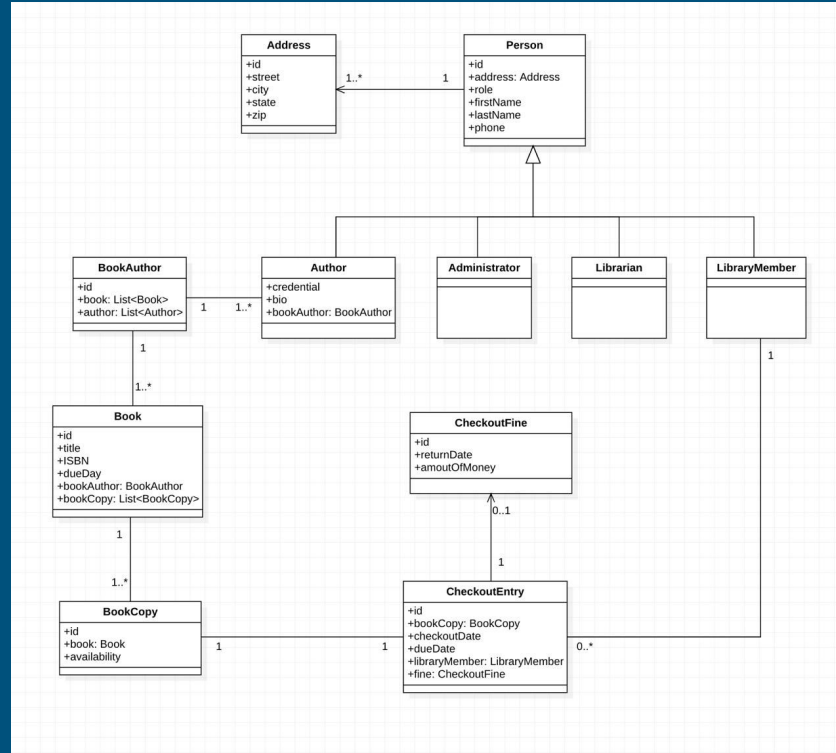
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## Group 4

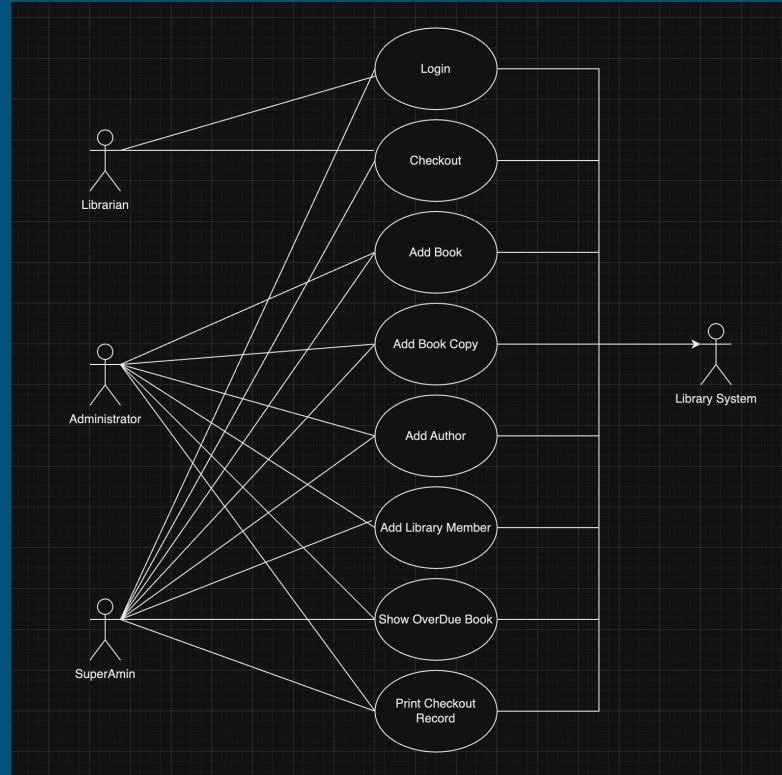
Tri Mai  
Tony Le  
Sen Doan



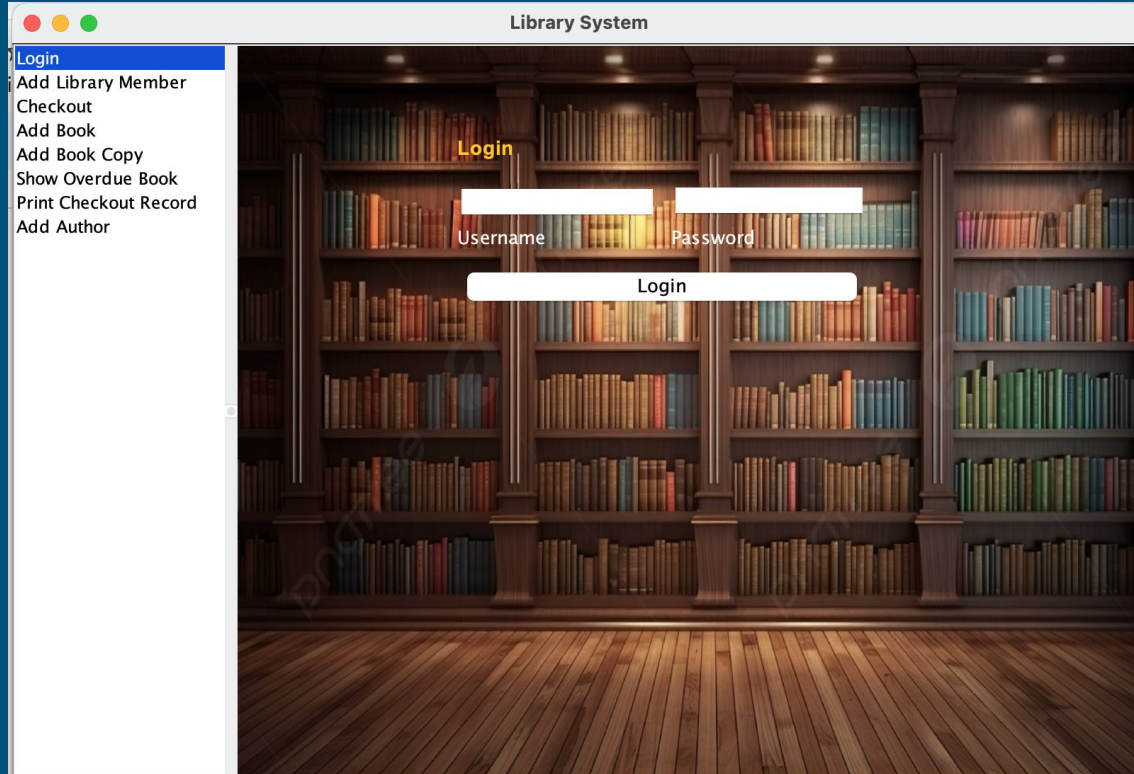
# Class Diagram



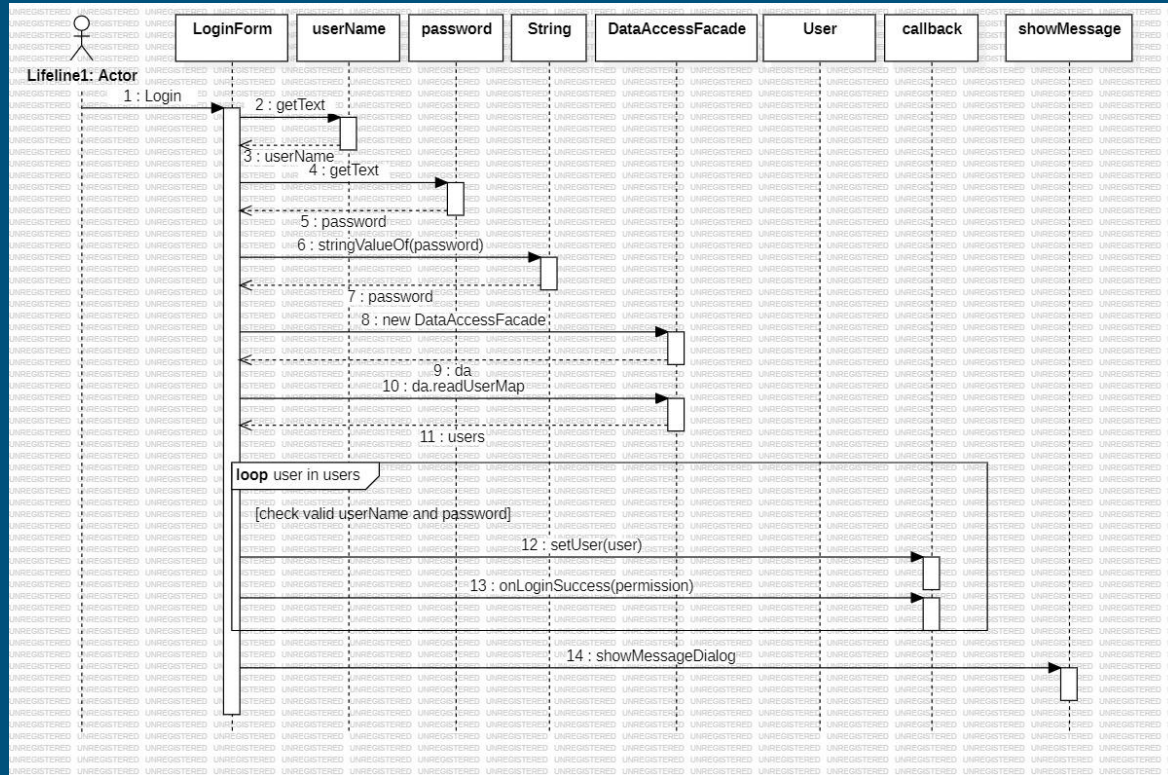
# Use Case Diagram



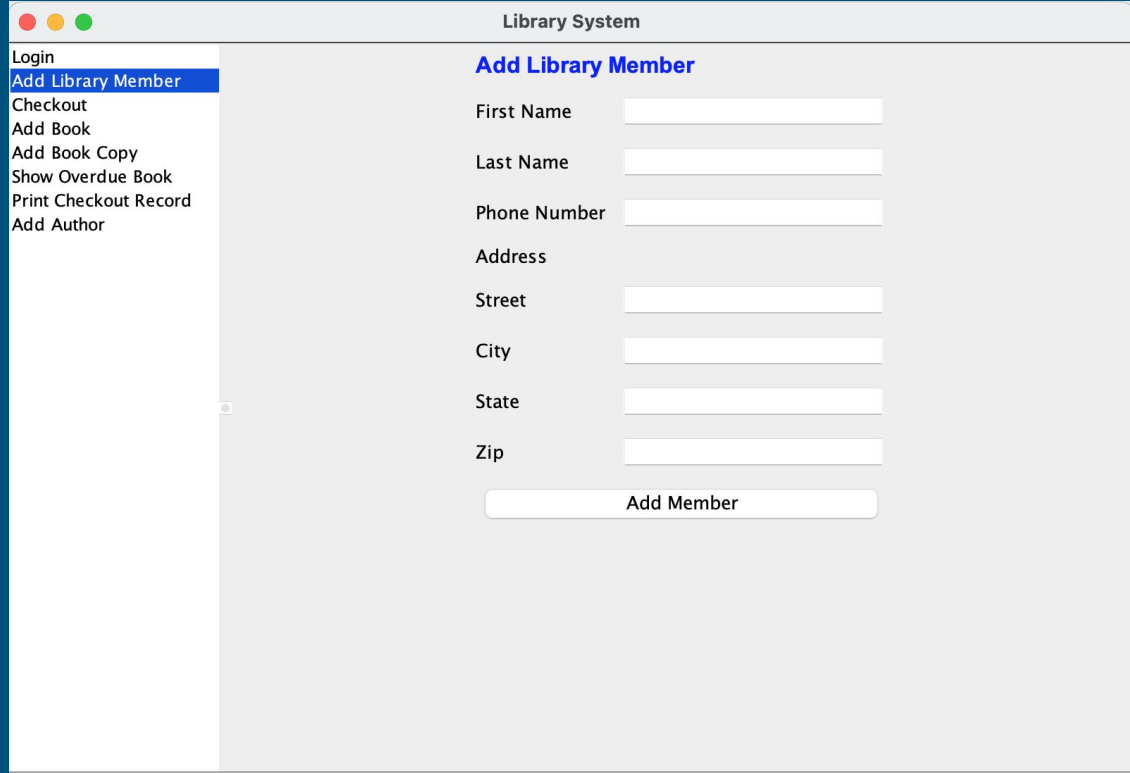
# Sequence Diagram - Login



# Sequence Diagram - Login



# Sequence Diagram - Add Member



The screenshot displays a web application window titled "Library System". On the left, a vertical sidebar contains a list of menu items: "Login", "Add Library Member" (highlighted in blue), "Checkout", "Add Book", "Add Book Copy", "Show Overdue Book", "Print Checkout Record", and "Add Author". The main content area on the right is titled "Add Library Member" in blue text. It contains a form with the following fields: "First Name", "Last Name", "Phone Number", "Address", "Street", "City", "State", and "Zip". Each field is accompanied by a white input box. At the bottom of the form is a white button labeled "Add Member".

Library System

Login  
Add Library Member  
Checkout  
Add Book  
Add Book Copy  
Show Overdue Book  
Print Checkout Record  
Add Author

Add Library Member

First Name

Last Name

Phone Number

Address

Street

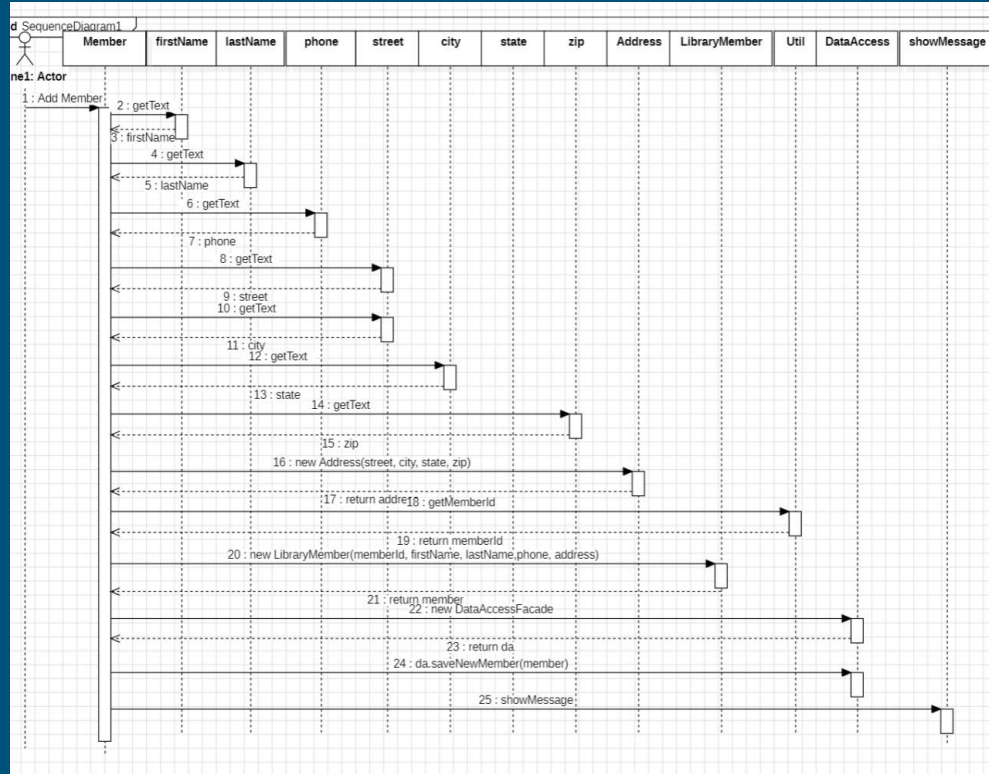
City

State

Zip

Add Member

# Sequence Diagram - Add Member



# Sequence Diagram - Checkout Book

Member ID:

Find Member and Book

ISBN:

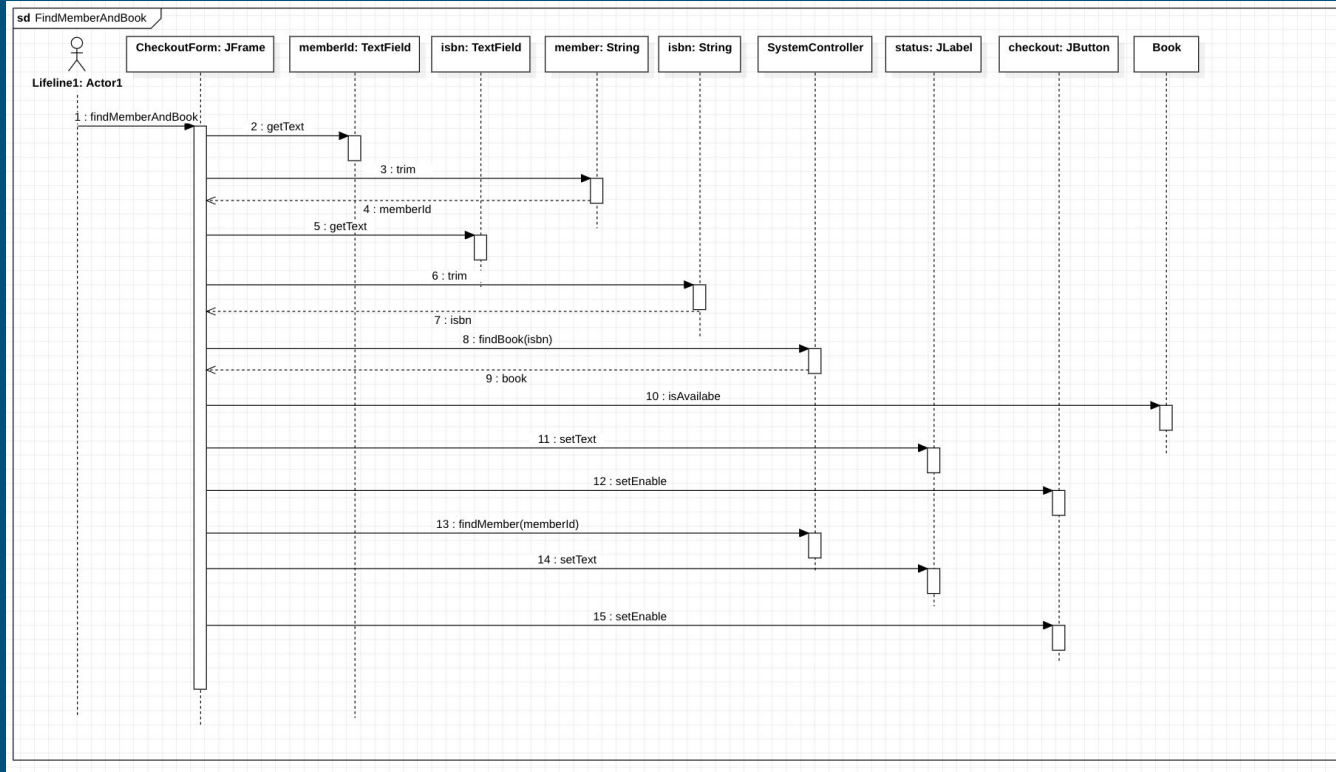
Checkout Book

Status:

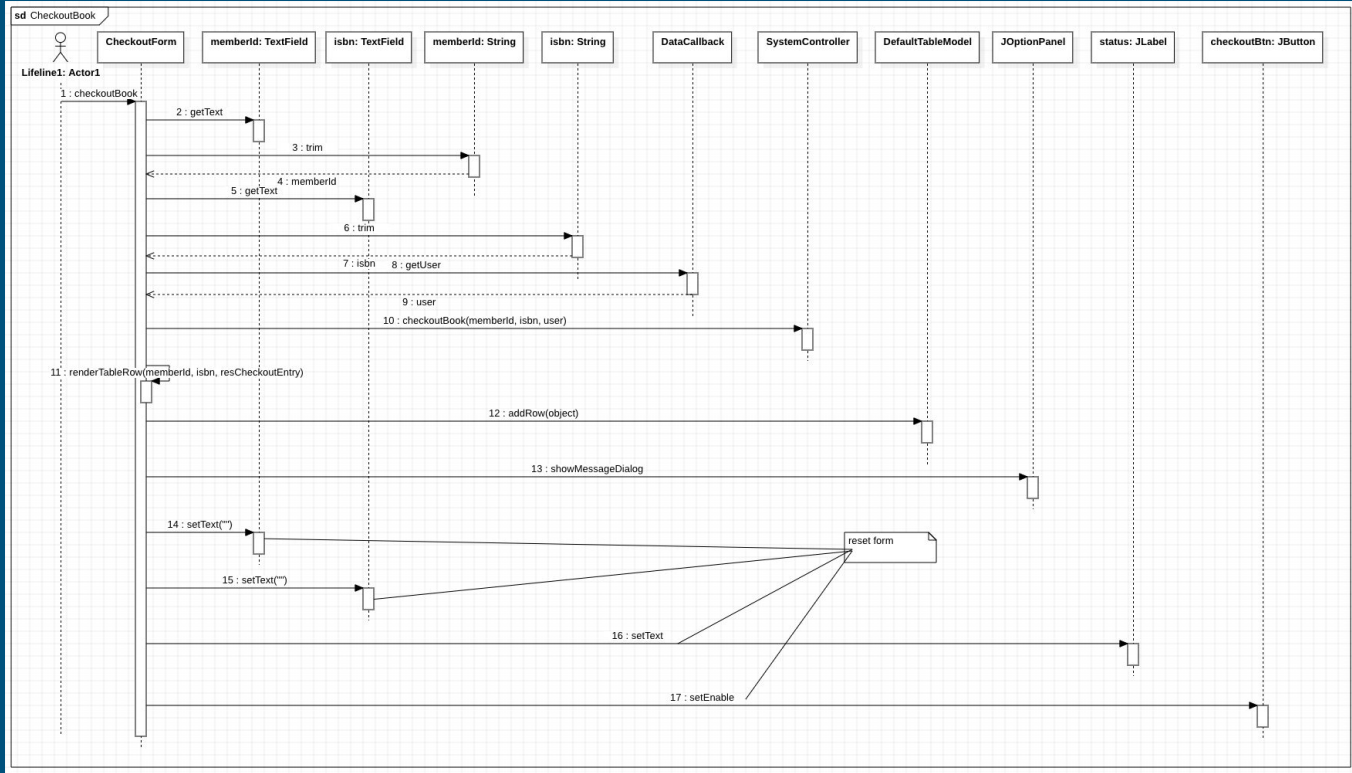
Copy ID	Member	Book ISBN	Title	Checkout Date	Due Date	Librarian
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# Sequence Diagram - Find Member & Book




# Sequence Diagram - Checkout Book



# Sequence Diagram - Add Book Copy

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## Add Book Copy

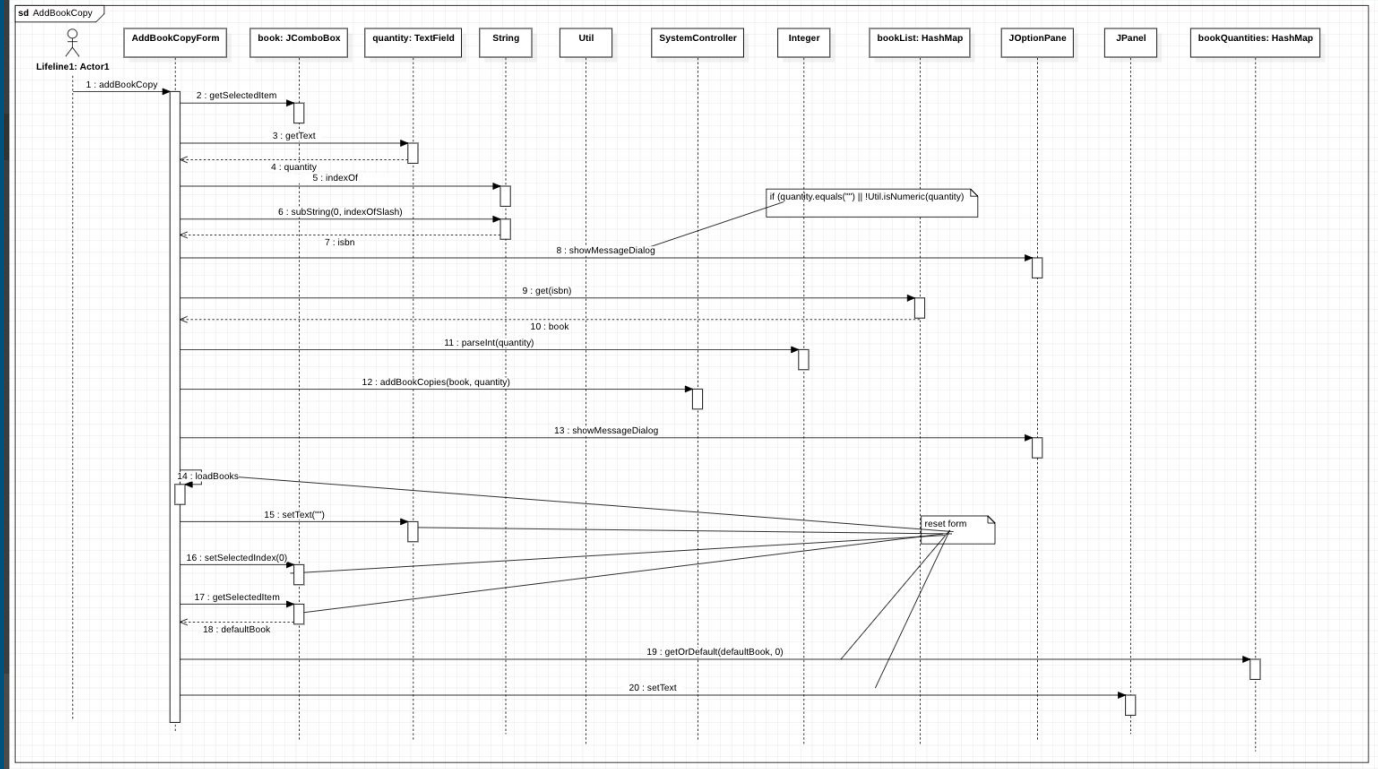
Book: 48-56882 - Jimmy's First Day of School 

Current Quantity: 2

Quantity:

Add

# Sequence Diagram - Add Book Copy



# Sequence Diagram - Add Author

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**Add Author**

First Name

Last Name

Phone Number

Bio

Address

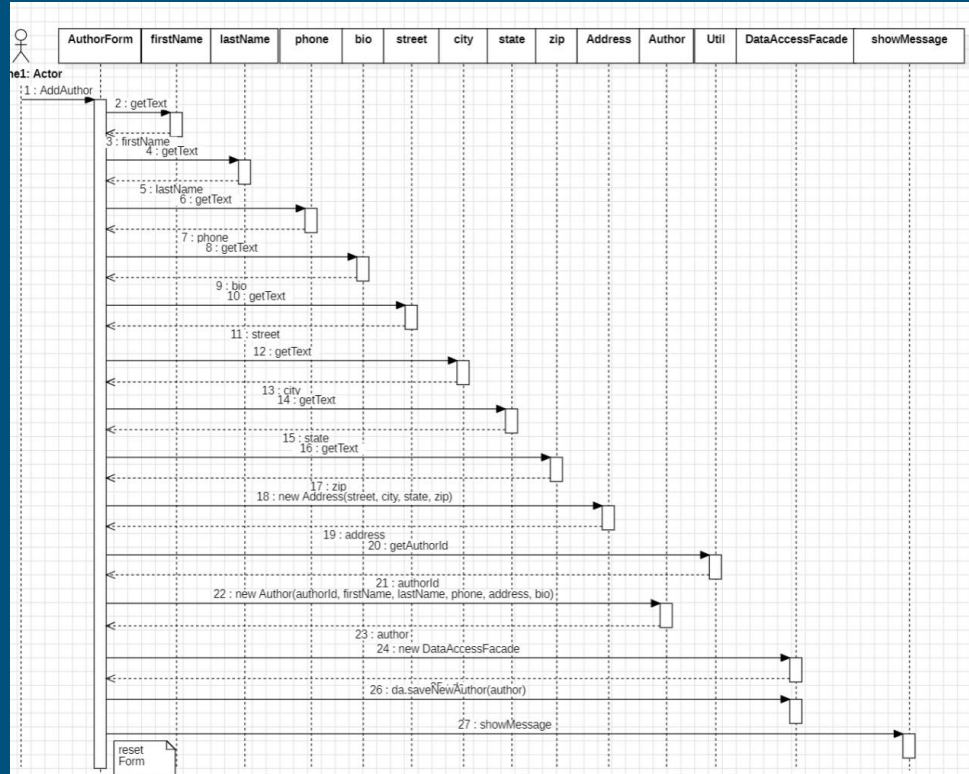
Street

City

State

Zip

# Sequence Diagram - Add Author



# Sequence Diagram - Add Book

**Add Book**

ISBN:

Book Title:

Max Checkout Length (days):

Authors: 

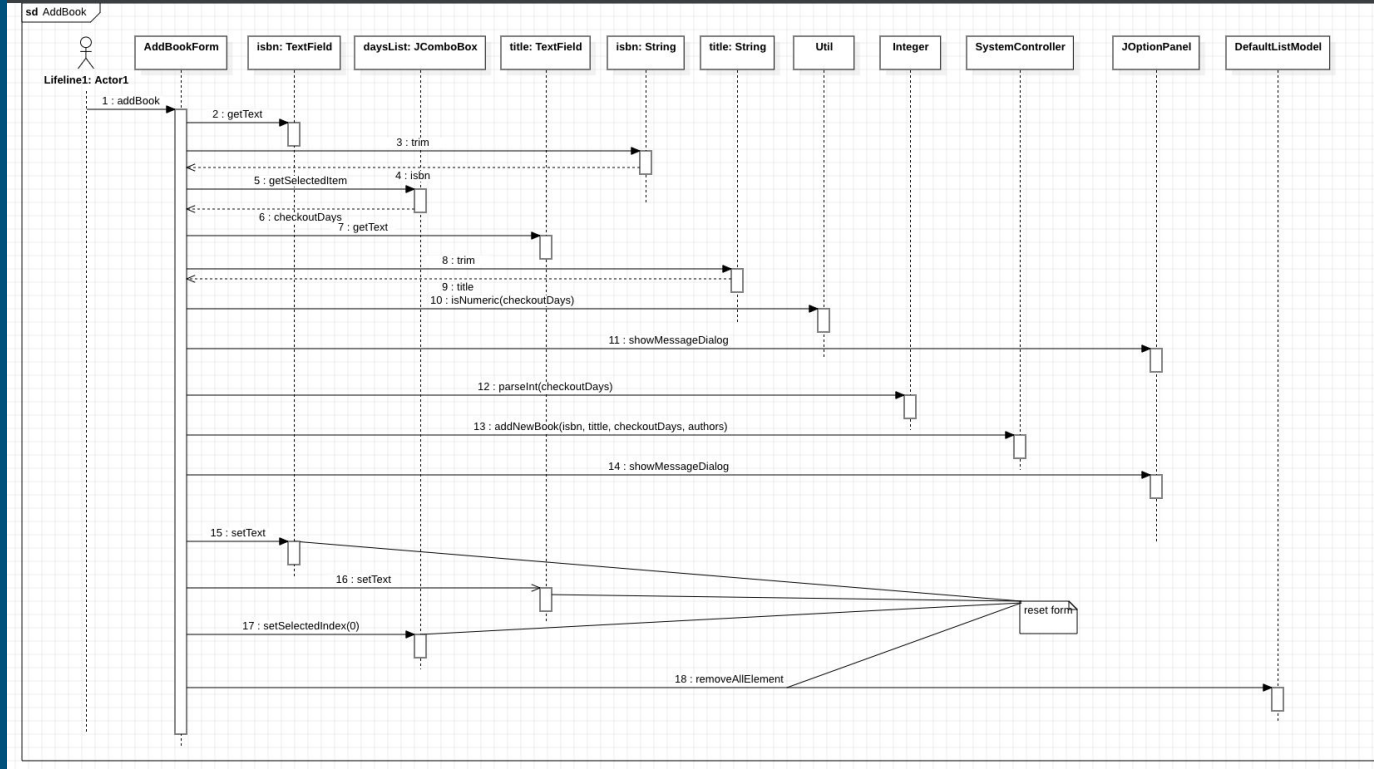
755873 – Sarah Connor

Remove Selected

Add Author

Add Book

# Sequence Diagram - Add Book





# Sequence Diagram - Add OverDue Book

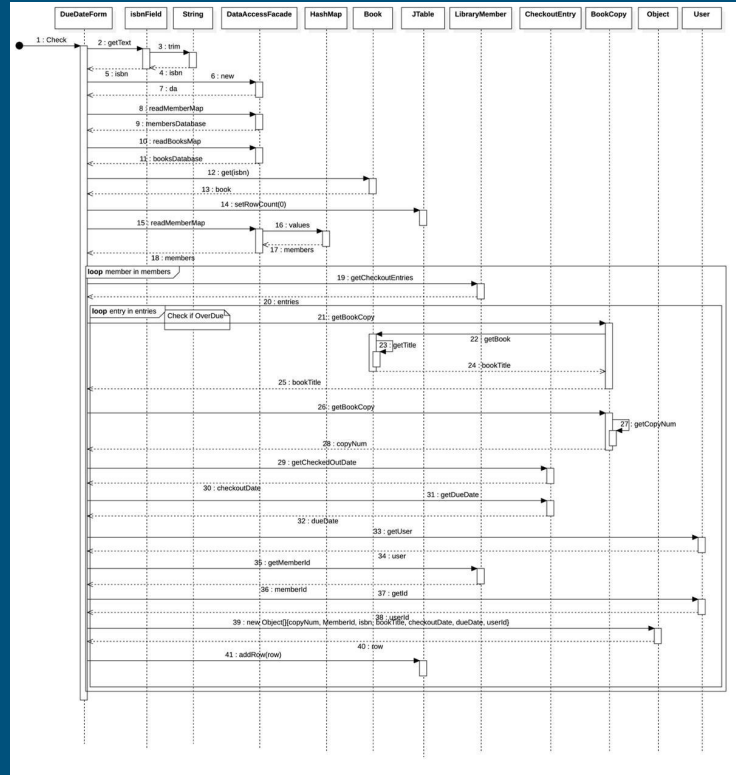
ISBN:

Find OverDue Book

Status:

Copy ID	Member	Book ISBN	Title	Checkout Date	Due Date	Librarian
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# Sequence Diagram - Add OverDue Book





Thank you!

