

## Assignment 2

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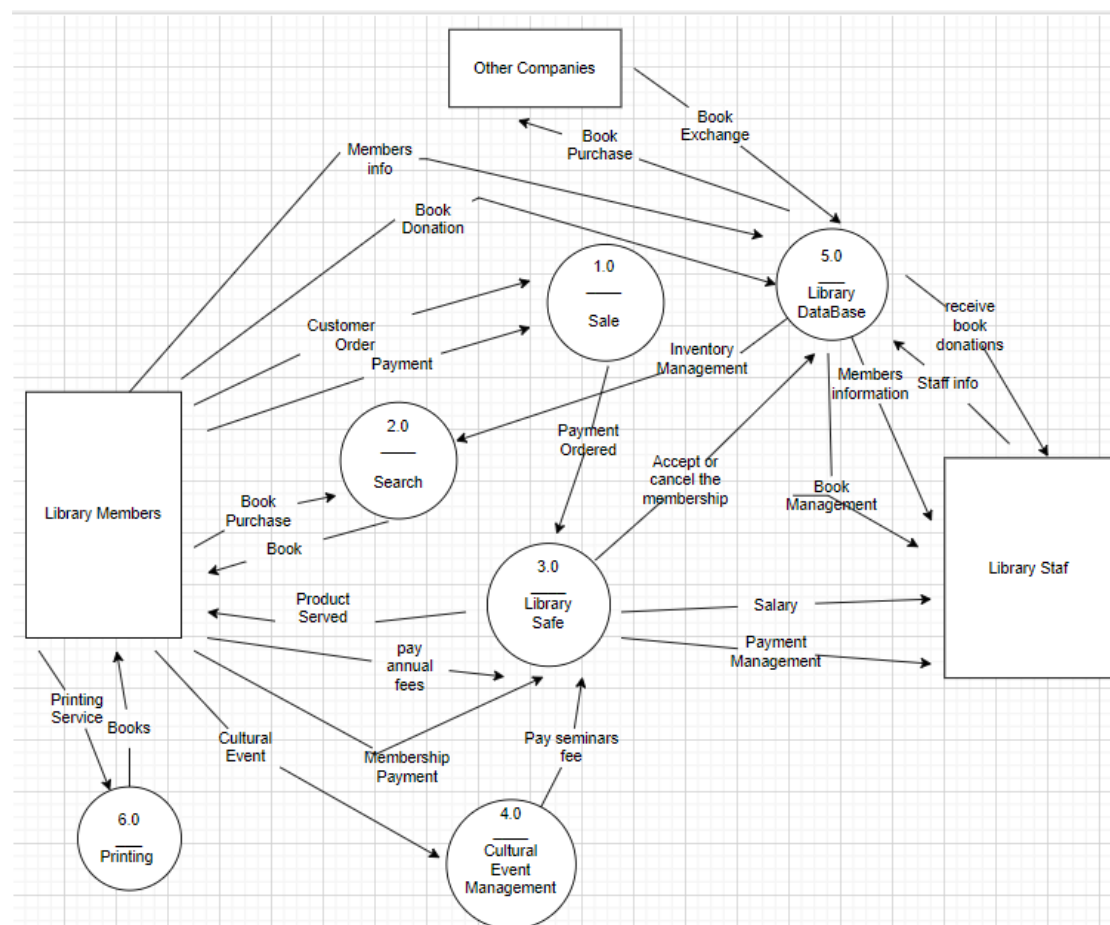
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Q1)



## Q2)

(L1)Payment Gateway Interface: This interface is responsible for handling payment transactions made by members using credit cards or bank deposits. The library management system should be able to communicate with the payment gateway to .initiate and complete transactions

(L2)Book Exchange Interface: This interface is responsible for exchanging books between the library and other libraries. The library management system should be able to communicate with other library systems to request and receive books for .exchange

(L3)Book Purchase Interface: This interface is responsible for purchasing books from book stores and publishers. The library management system should be able to communicate with book store and publisher systems to request and receive books .for purchase

(L4)Printing Service Interface: This interface is responsible for handling printing requests made by members. The library management system should be able to communicate with the printing service system to initiate and complete printing .requests

(L5)Membership Payment Interface: This interface is responsible for handling payment transactions made by members paying for their annual fees in cash or bank deposit. The library management system should be able to communicate with the .cash handling system or bank system to record the payment

(L6)External Book Recommendation Interface: This interface is responsible for allowing members to recommend books to the library from external sources. The library management system should be able to receive recommendations from .external sources and update the book inventory accordingly

(L7)Book Donation Interface: This interface is responsible for allowing members to donate books to the library. The library management system should be able to .receive book donations and update the book inventory accordingly

(L8)Cultural Event Management Interface: This interface is responsible for managing cultural events such as book signing events and seminars. The library management system should be able to communicate with event management systems to organize and manage events

:(L9)Interfaces between system components (i.e. subsystems)

(L10)User Management Interface: This interface is responsible for managing user-related functionality such as member registration and staff registration. It should allow for the addition, retrieval, modification, and deletion of user-related data

(L11)Book Management Interface: This interface is responsible for managing book-related functionality such as book categories, book details, book inventory, and book search. It should allow for the addition, retrieval, modification, and deletion of book-related data

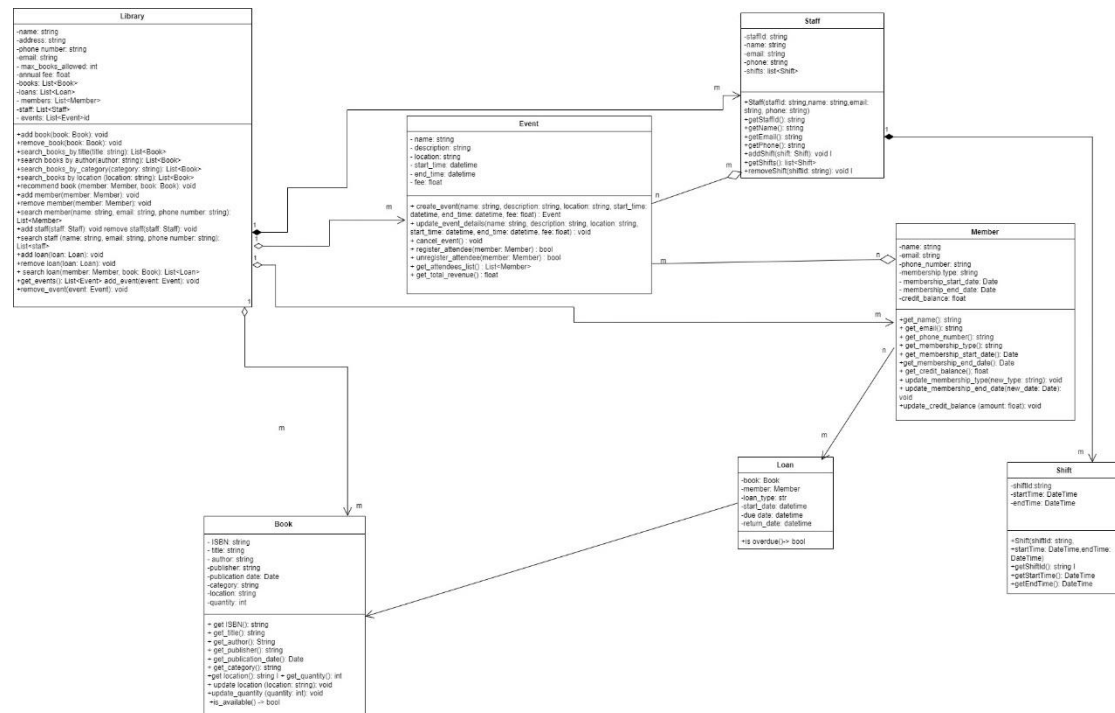
(L12)Loan Management Interface: This interface is responsible for managing loan-related functionality such as loan types, loan eligibility, loan status, loan history, and loan renewals. It should allow for the addition, retrieval, modification, and deletion of loan-related data

(L13)Payment Management Interface: This interface is responsible for managing payment-related functionality such as membership fees, printing charges, seminar fees, payment methods, payment records, and payment reminders. It should allow for the addition, retrieval, modification, and deletion of payment-related data

(L14)Inventory Management Interface: This interface is responsible for managing inventory-related functionality such as book inventory, book location, and book quantity. It should allow for the addition, retrieval, modification, and deletion of inventory-related data

(L15)Staff Management Interface: This interface is responsible for managing staff-related functionality such as staff details, staff schedules, and staff shifts. It should allow for the addition, retrieval, modification, and deletion of staff-related data

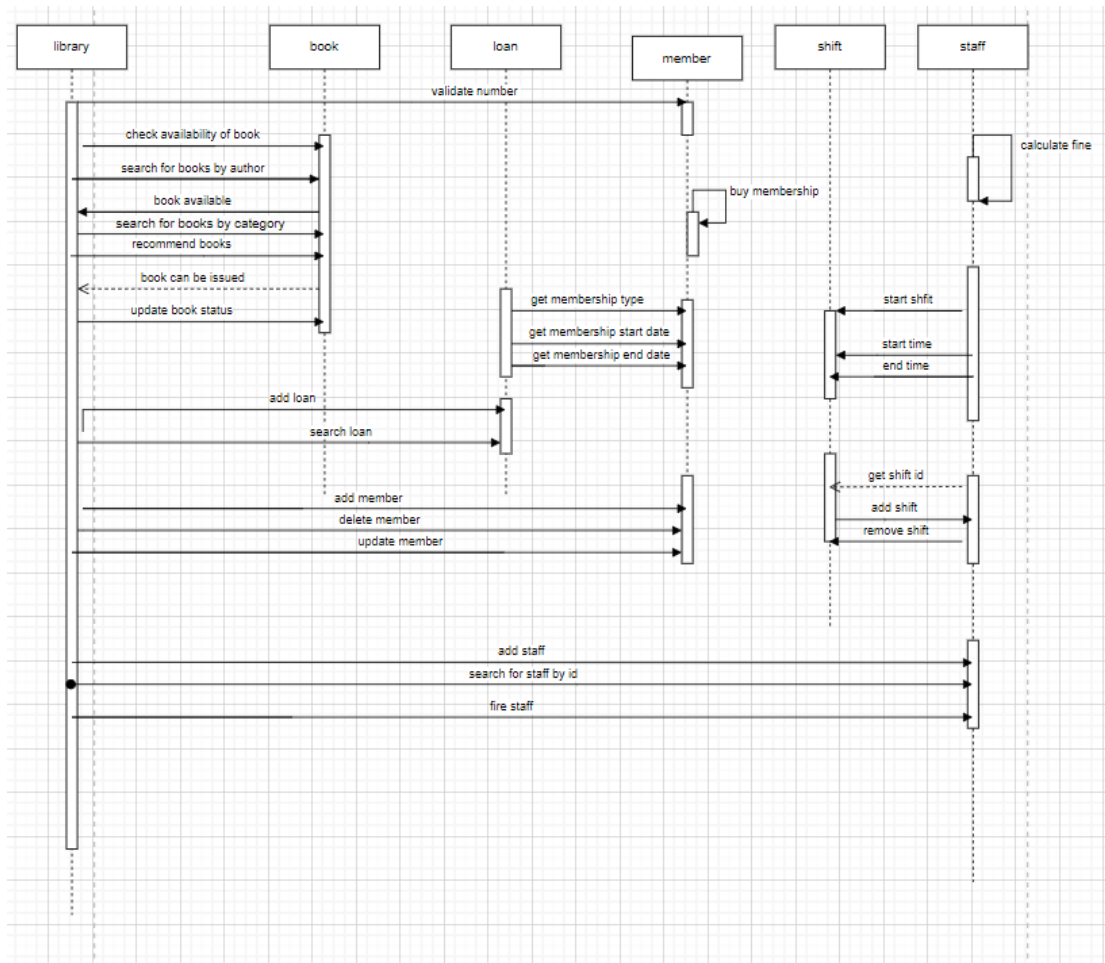
(L16)Cultural Event Management Interface: This interface is responsible for managing cultural event-related functionality such as event types, event records,



event attendees, and event fees. It should allow for the addition, retrieval, .modification, and deletion of event-related data

Q3)

Q4



Q5)

