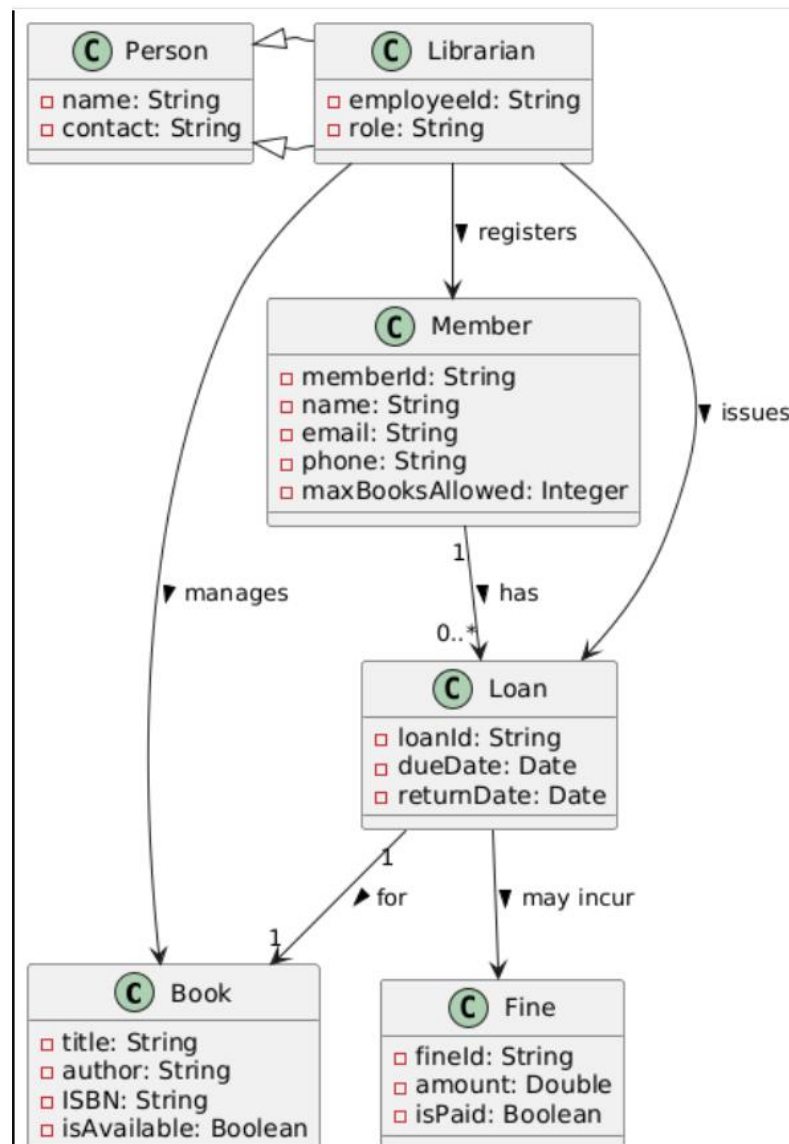


ASSIGNMENT-1

CLASS DIAGRAM

This class diagram represents the structure of a basic online shopping system in a way that mirrors how such platforms work in real life. It includes seven key parts: customer, product, shopping cart, order, payment, shipment, and admin. Each part has its own properties and actions—for instance, a customer can look through products, add things to their cart, and place an order. The shopping cart holds the selected items, and when an order is placed, it goes through payment and then shipment. The admin takes care of updating products, managing orders, and helping customers when needed. To make the system flexible, there's also an interface called Payable, which the payment system uses to allow different payment methods. The connections between each part show how they work together—for example, a customer can have many orders, and each order is linked to both payment and delivery.



USE CASE DIAGRAM

This use case diagram shows how the library system works by focusing on the roles of the librarian and the member. The librarian takes care of the main administrative duties like registering new members, adding new books to the collection, and handling the process of issuing and receiving returned books. The member mainly uses the system to borrow and return books, and if they return a book late, they can also pay a fine. Borrowing and returning books involve both the librarian and the member, since the librarian processes the request while the member initiates it. On the other hand, paying a fine is something only the member does. This setup reflects how these interactions typically happen in a small community library.

