## **Task 1 – Library Management System**

Design an ER Diagram for a **Library Database** that keeps track of **books, members, and book issues**

### **🧩 System Description:**

1. The library has many **Books**.  
    Each book has attributes:  
    **Book\_ID, Title, Author, Publisher, Price.**
2. There are many **Members** (students) registered in the library.  
    Each member has:  
    **Member\_ID, Name, Email, Phone, Address.**
3. A **Member can borrow many Books**, and  
    a **Book can be borrowed by many Members** (Many-to-Many relationship).  
   * To handle this, create an **Issue** entity (relationship entity).
   * **Issue** has: *Issue\_ID, Issue\_Date, Return\_Date.*
4. Each **Book** is managed by a **Librarian**.  
   * **Librarian** has: *Lib\_ID, Name, Shift\_Time.*

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