- **DFD Diagram**

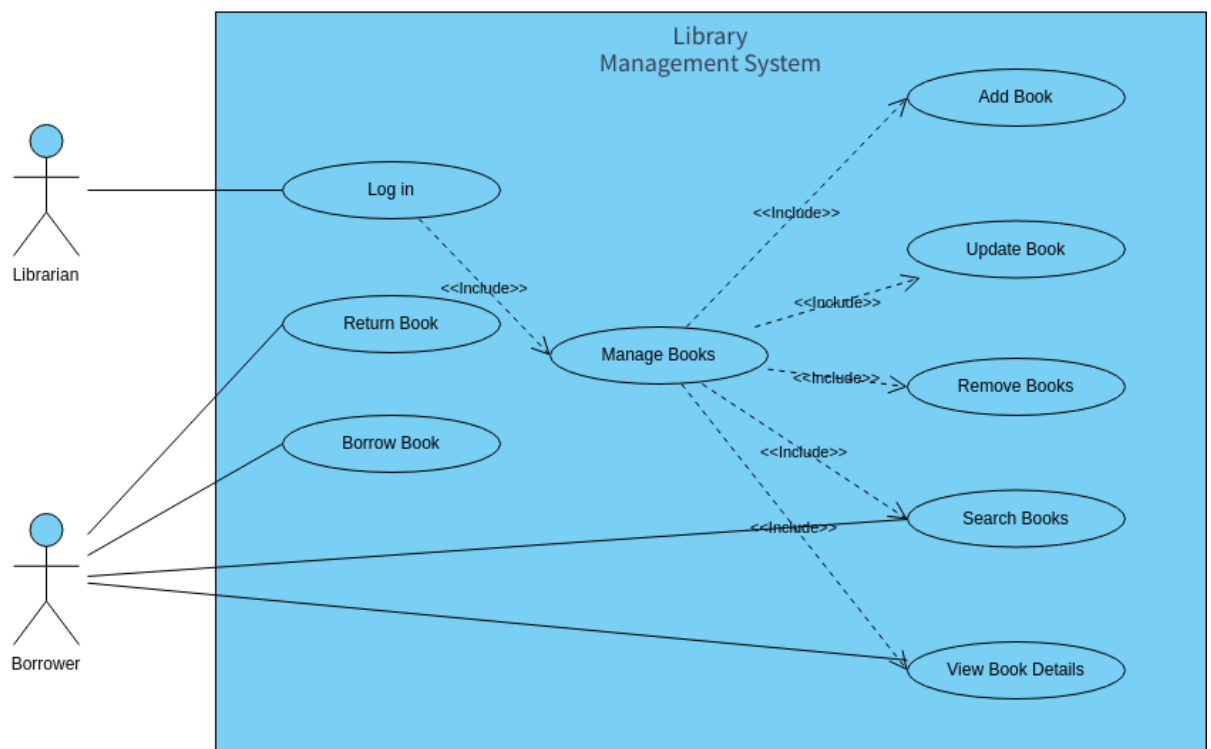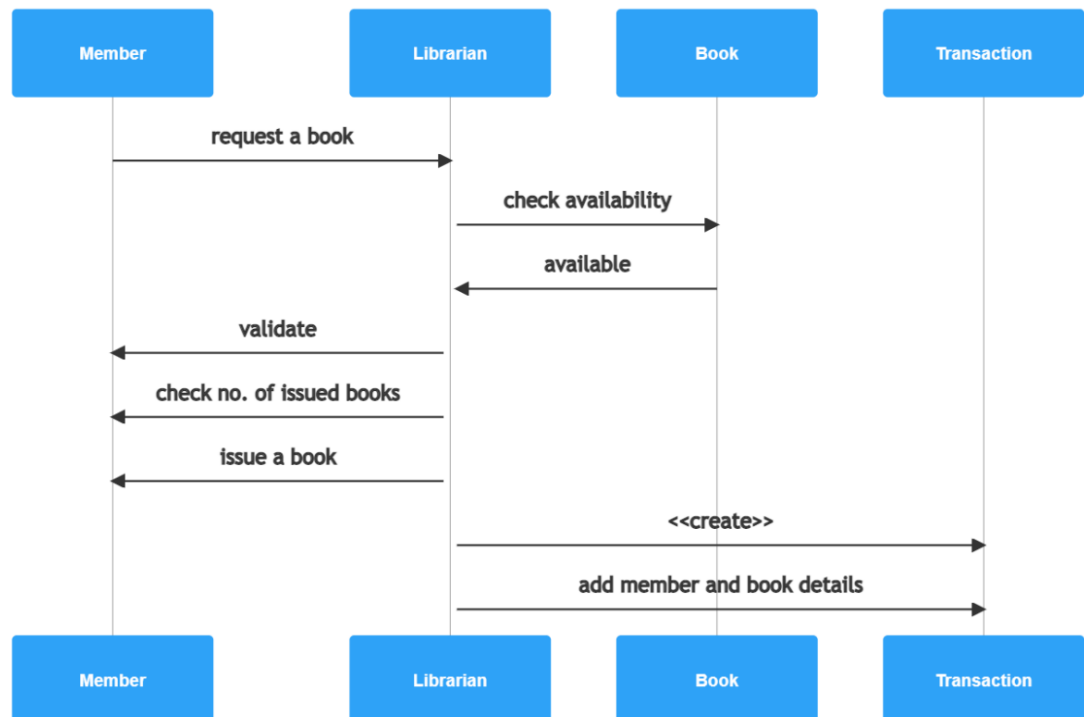**Level 0**
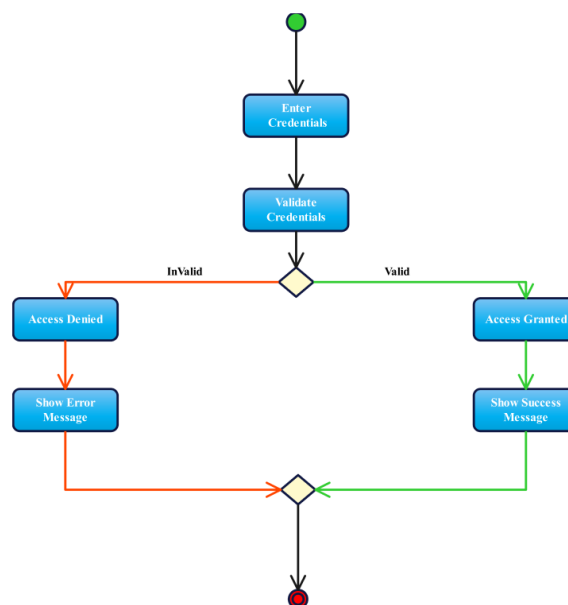

Level 1
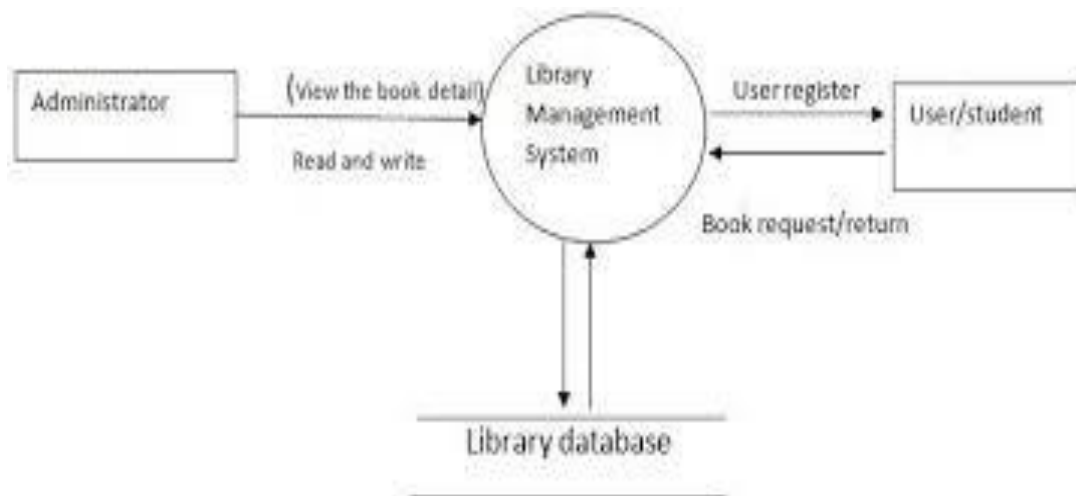
- **E-R Diagram**
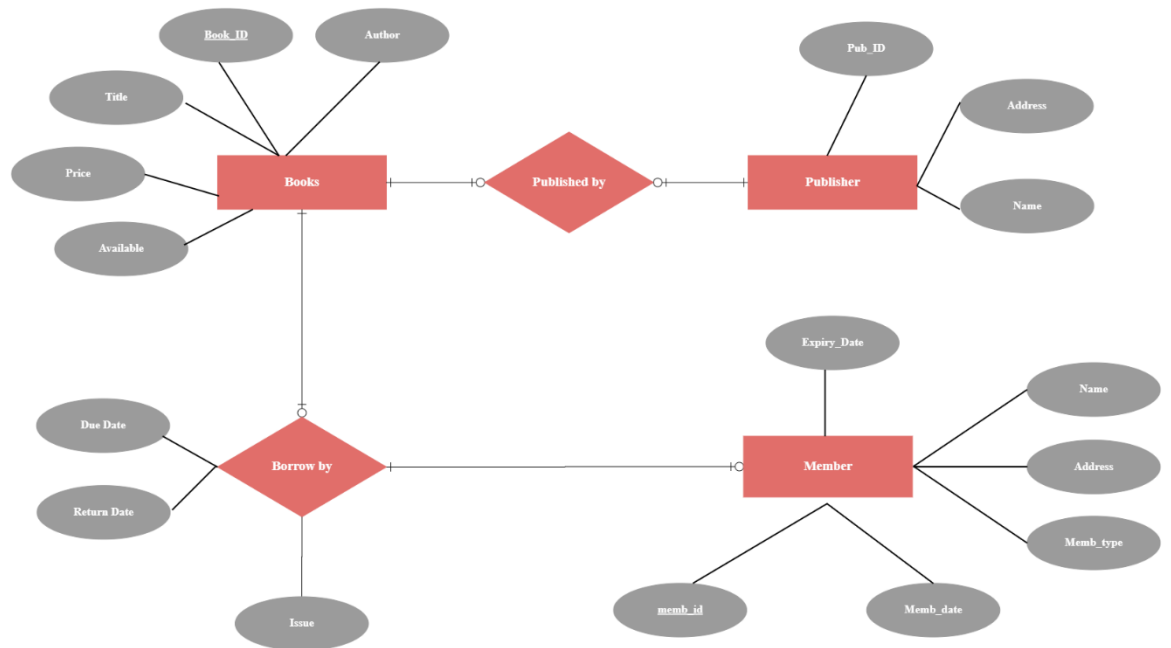
- **Usecase Diagram**

- **Sequence Diagram**

- **Activity Diagram**

- **Class Diagram**

Books

+BookId: int
+BookName: string
+BookAuthor: string
+YearofPub: string
+Price: float
+Status: string

+AddNewBooks()
+DeleteBooks()
+DisplayBookDetails()
+InquiryBook()

Librarian

+Id: int
+Name: string

+SearchBook(name: string)
+VerifyMember(id: int): Boolean
+OrderBooks()
+SellBooks()

Publisher

+Id: int
+Name: string
+Adress:string
+PhoneNo:int

+AddPub()
+ModifyPub()
+DeletePub()
+OrderStatus()

0..1 —— 1..*

User

+UserID: int
+UserName: string
+UserAddress: string
+PhoneNo: int

+ReturnBooks()
+PayFine(Dt: date): int
+AddNewUser()
+DeleteUser()
+UpdateDetails()
+BookPurchase()