

Assignment-1

Entities:

1. Book

- Book_ID (Primary Key)
- Title
- Author
- Publisher
- Year_Published

2. Member

- Member_ID (Primary Key)
- Name
- Membership_Date
- Address

3. Transaction

- Transaction_ID (Primary Key)
- Issue_Date
- Return_Date

Relationships:

1. Borrows (Associates Members with Books)

- Member (Member_ID) **borrows** Book (Book_ID)
- Attributes: Issue_Date, Return_Date

E-R Diagram Structure:

- **Book** and **Member** are connected through the **Borrows** relationship.

- **Transaction** entity can be associated with the **Borrows** relationship to track each borrowing event.

