Anurag Bodkhe

ADT23SOCB1509

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.

