**ENTITY RELATIONSHIP DIAGRAM (ERD)**

**+---------------------------------+ +---------------------------------+**

**| Book | | Author |**

**|---------------------------------| |-------------------------------- |**

**| + Book-ID | | + Author-ID |**

**| Title | | Name |**

**| Publication-Year | +---------------------------------+**

**+---------------------------------+ |**

**| |**

**| |**

**| +-----------------------------+**

**| | Book\_ Author |**

**+-----------------------------------|-----------------------------|**

**| + Book-ID |**

**| + Author-ID |**

**+-----------------------------+**

**+-----------------------------+ +-----------------------------------+**

**| Library Member | | Borrowing |**

**|-----------------------------| |-----------------------------------|**

**| + Member-ID | | + Borrowing-ID |**

**| Name | | Book-ID |**

**+-----------------------------+ | Member-ID |**

**| | Due Date |**

**| | Return Date |**

**+-------------------------+ +------------------------------------+**

**|**

**|**

**+--------------------------+**

**| Book |**

**|--------------------------|**

**| Book ID |**

**+--------------------------+**