**scenario of a university library system.**

**Entities:**

1. **Student**: Student ID , Name, Email, Phone, Address
2. **Book**: Title, Author, Genre, Published Year
3. **Borrowing**: Borrowing ID , Student ID , ISBN , Borrow Date, Return Date

**Relationships:**

1. A **Student** can borrow many **Books** (One-to-Many).
2. A **Book** can be borrowed by many **Students** (One-to-Many).
3. Each **Borrowing** record corresponds to one **Student** (Many-to-One).
4. Each **Borrowing** record corresponds to one **Book** (Many-to-One).

**Attributes:**

* Student: Student ID, Name, Email, Phone, Address
* Book: Title, Author, Genre, Published Year
* Borrowing: Borrowing ID, Student ID, Borrow Date, Return Date

**Cardinality:**

* One Student can borrow Many Books.
* Each Book can be borrowed by Many Students.
* Each Borrowing record corresponds to One Student.
* Each Borrowing record corresponds to One Book.

**ER Diagram:**

**Student**  **Borrowing Book**

Student ID Borrowing ID Title

Name Student ID Author

Email Borrow Date generation

Address Return Date Published Year

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