**ER diagram**

Diagram

Description automatically generated

**List of entities:**

1. Register
2. Student
3. Login
4. Librarian
5. Inventory
6. Status of issue
7. Book

**List of attributes:**

|  |  |  |
| --- | --- | --- |
| SNO | Entity | Attributes |
| 1 | register | email id (key attribute), name, password, year, branch |
| 2 | Student | roll no (key attribute), email id, name |
| 3 | Login | email id, password |
| 4 | Librarian | --- |
| 5 | Inventory | issued books, returned books, date of issue, date of return |
| 6 | Status of issue | book name, date of issue, date of return |
| 7 | book | book name, isbn, author, publisher |

**Relationships:**

|  |  |  |
| --- | --- | --- |
| SNO | Relationship name | entities |
| 1 | enters | Register, login |
| 2 | maintains | Librarian, inventory |
| 3 | keeps tracks of | Librarian, book |
| 4 | issue | Book, status of issue |
| 5 | reserve | Student, book |
| 6 | return | Student, book |