

CS443 Project Phase 1
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Description:

Our project revolves around an online library checkout and inventory system. We plan on having either 3 or 4 entities, which are Books, Users, Borrow Record, and potentially a Publisher entity. In our web-based database system, an employee will be able to enter a book title and its information to be able to add it to the database. The employee will also be able to register new users so that books can be under their name when they check new books out. When a book is checked out by a user, a new borrow record is created so that books that are checked out by users can be tracked efficiently. We also may be adding a Publisher entity which will keep track of what books are published by a certain publishing company or person.

ER Diagram:

Entities -

Books:

- Book ID
- Title
- Author
- ISBN
- Publish Year
- Genre
- Availability

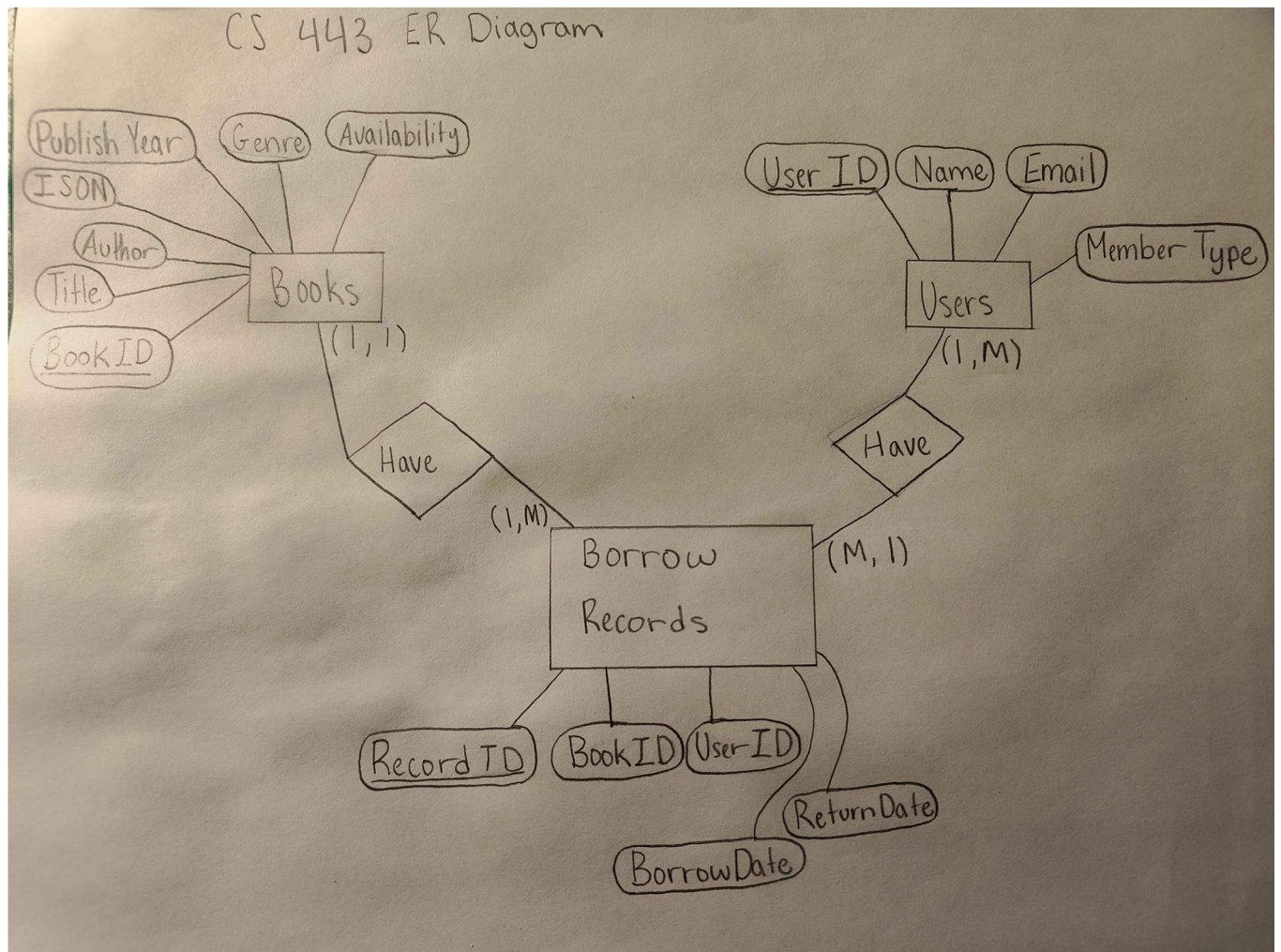
Users:

- UserID
- Name
- Email
- MemberType

Borrow Records:

- RecordID
- BookID

- UserID
- BorrowDate
- ReturnDate



Project Details:

Languages -

- Python (Anaconda)
- SQLite
- HTML
- JavaScript

Packages -

- Django

Developer Tools -

- GitHub (Version Control)