

actionDate: March 3

Time: 4:30pm

Location: Teams

Objective: Brainstorm entities, attributes, and relationships for ER model and allocate tasks to finish project part 3, the conceptual model.

Team Members Attended: Anna Ross, Sriya Annem, Kaden Huber, Hart Nurnberg, Audrey Pan, Sabeen Ahmad

Tasks Allocated:

- User - **Kaden: verify**
 - LibraryMember - **Kaden: verify**
 - LibraryStaff - **Kaden: verify**
 - SysAd - **Kaden: verify**
- Item - **Sabeen, Verify: Sriya**
 - Book
 - Digital Media
- Inventory - **Hart, Verify: Sabeen**
- Transaction - **Anna, Verify: Hart**
- Report - **Audrey, Verify: Anna**
- Hold - **Sriya, Verify: Hart**
- Fine - **Sabeen, Verify: Sriya**

Follow-Up Actions:

Hart - Email TA for entity-relationship implementation clarification

Everyone - do above tasks and verify others

Task Completion Confirmation: None

Github Repo Management: Hart pushed part 2 earlier

Next Meeting Date: March 10th @ 4:30

- Users entities that is generalized.
 - Three users
- What we added this week
 - User
 - join Date
 - Fine Balance

- DOB
- Library Staff
 - Position
 - PositionType
 - Specialization → SysAd
- SysAd
 - More for nonfunctional
- Lets use Kaggle for data
- How do we track quantity for books
 - do we need a separate relation to show quantities
- There were lots we added
- Have the outline finished by

Hold: represents a reservation placed by a library member for an item that is currently unavailable.

Attributes:

1. HoldID
 - Unique identifier for each hold request.
 2. UserID
 - References the Library Member placing the hold.
 3. ItemID
 - References the Item being held (Book or Digital Media).
 4. HoldDate
 - Date when the hold request was placed.
 5. ExpirationDate
 - The date after which the hold is automatically removed if not fulfilled.
 6. Status
 - Indicates the current state of the hold:
 - Active → The hold is still pending.
 - Fulfilled → The item has been checked out by the user.
 - Cancelled → The user manually cancelled the hold.
 - Expired → The hold was not fulfilled before the expiration date and was removed.
-

Relationships:

1. Library Member (1) to Hold (M)
 - A single library member can place multiple holds, but each hold belongs to only one member.
 2. Item (1) to Hold (M)
 - A single item can have multiple holds from different users, but each hold refers to one specific item.
 3. Hold (1) to Checkout (1)(MAYBE..???)
 - Once a hold is fulfilled, it can be linked to a checkout transaction to track the transition from hold to rental.
-

more stuff:

- Holds should be a first-come, first-served queue.
- Maximum holds per user can be defined as a constraint

