

CHECK-IN AND RENEW DEMO AND GUIDANCE

1. Use Case: Return of Items

Description:

As a librarian, I want to process returned items so that patrons can drop off borrowed items in drop bins or by hand. Once an item is returned, I will scan its ID, check its condition, and update its status in the system to make it available for others to borrow.

Acceptance Criteria:

- Should be able to scan the returned item's ID.
- The item's status in the system and database should be updated to reflect the return.
- The item's return should trigger any necessary processes, such as late fee calculation or notifications to the next patron in line for holds.
- Returned items should appear as available in the system for future checkouts.

2. Use Case: Renewal of Items

Description:

As a librarian, I want to allow patrons to renew items they have checked out so they can extend their loan period. Patrons can request renewals in person, over the phone, or online, provided the item is not overdue.

Acceptance Criteria:

- Should be able to search for the patron and their checked-out items in the system.
- Should be able to process a renewal request for eligible items.
- The system should extend the loan period in the database and update the due date.
- The renewal status should be visible in the system when the patron's account or the item's details are viewed.
- The system should prevent renewals for items that are overdue.

3. Use Case: Addition of Items

Description:

As a librarian, I want to add new items to the library inventory so they can be available for patrons to borrow. I will enter the item's details, such as title, author, publication year, category, and ID, and ensure it is correctly cataloged in the system.

Acceptance Criteria:

- Should be able to enter the item's details, including title, author, publication year, category, and ID.
- The item's details should be successfully added to the system and the database.
- When searched, the item's details should be visible in the system, including its availability status.
- The system should ensure the ID is not already in use to prevent duplicate entries.

4. Use Case: Check Out Multiple Items (Maximum of 3)

Description:

As a librarian, I want to allow patrons to check out multiple items (up to a maximum of three) in a single transaction. The system should verify the patron's eligibility, ensure they have not reached their maximum checkout limit, and record the details of the transaction in the database.

Acceptance Criteria:

- Should be able to select multiple items (up to a maximum of 3) for checkout in a single transaction.
- The system should verify that the patron does not already have three items checked out.
- The system should ensure that all selected items are available for checkout.
- Upon successful checkout, the system should update the items' status to "Checked Out" in the database.
- The due dates for each item should be calculated and recorded in the system based on library policy.
- A record of the transaction, including the patron ID, item details, and due dates, should be stored in the database.
- The patron's account should display the checked-out items and their due dates.
- If the maximum checkout limit is exceeded, an appropriate error message should be displayed to the librarian.

Link for the website: <https://mis-565-front-end.vercel.app>

Frontend Repository: <https://github.com/MIS-565/MIS-565-FrontEnd>

Backend Repository: <https://github.com/MIS-565/MIS-565-BackEnd>