

## CHECKOUT PROCESS DEMO AND GUIDENCE

1. As a librarian I want to add patrons in to the system

Description: to add a new patron to the system I ask the patron to provide me with their first and last names, address and their email id. I then enter those details and create a new patron to the system and add the new patron to the database.

Acceptancy criteria:

- should be able to enter the patron's details
- the patron's details should be successfully added to the system and the database
- when searched, the patron's details should be visible in the system

2. As a librarian I want to search the patron's information

Description: when a patron comes to me to checkout an item and gives me his details, I check his id for any expired membership, existing item and late fees to evaluate if the patron is eligible for the checkout.

Acceptancy criteria:

- We should be able to enter the patron's details
- The system should display all the information regarding the patron.
- If there are any late fees or have any items more than the limit with them, then the system should not allow them to proceed

3. As a librarian I want to help patron to search the items

Description: in the library if any patron need help in finding a specific item of their choice, I with the help of the system provide any incites on the item such as if it is available or not.

Acceptancy criteria:

- The system should display all the items present in the library
- The system should display is the item is available for check out or not.

4. As a librarian I want to renew patron's membership

Description: While checkout if a patron with expired membership wants to renew the membership to continue with the checkout, I use the system to renew their membership

Acceptancy criteria

- The system should be able identify if the membership is expired or not
- The system should display the expiry status
- The system should be able to change the expiry date to renew to the membership
- The system should display the membership status

5. As a librarian I want to help patron pay late fees

Description: while checkout if a patron has any late fees, I ask them if they want to pay the fees, if they want pay, I use the system to help the patron to pay their late fees

Acceptancy criteria:

- The system should display the late fees if the patron has any
- The system should be able to update the late fees after the payment is made
- The system should be able to display the changes made to the late fees

6. As a librarian I want to help the patron check out his items

Description: if the patron does have a valid membership and does not have any late fees and does not have items checkout than the limit, I help the patron to check out their desired items using the system.

Acceptancy criteria:

- The system should display late fees and number of items that they previously checkout
- The system should allow the patron to check out their desired item
- The system should update and the item checked out to their profile and display it.
- The system should update the availability of the items.

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>

Sample data: our system currently has 51 patrons and 39 items in our database. The patrons consist of patrons with late fees, more than 20 items checked out, have items with them and so on.

Some of the ids of the patrons are:

<b>patrons with late fees:</b>	<b>patrons with items associated with them:</b>	
id: 1 - also has >20 checkouts		id: 8
		id: 9
	id: 2	id: 10
id: 2	id: 3	id: 11
id: 3	id: 4 - have 6 checkouts and multiple different items	<b>patrons with expired memberships:</b>
id: 4		
id: 7	id: 5	id: 14
id: 9	id: 6	id: 15
id: 13 – also expired membership	id: 7	id: 16

