Use Case Name: Search Availability

Actor: User

Description :

1)Enter the name of the book, published year and author

2)if these three criteria matches

3)Book displayed in table

4)The user can choose book to proceed

Exception:

1)No database Connection

2) Required Page not found

Pre condition:

1)Enter valid book name

Post Condition:

1)Successful- Display the Book in table

2)Unsuccessful- Displays a message saying not available

3)Exception - Stay in same page

Use Case Name: Request Book

Actor: User

Description :

1)Enter the name of the book, published year and author

2)The names are searched on database if it exists

3)If not request data is added on database

Exception:

1)NO database Connection

2) Required Page not found

Pre condition:

1. Enter valid book name

Post Condition:

1)Successful- Message displaying book successfully stored

2)Unsuccessful- Error message

3)Exception - Stay in same page

Use Case Name: Check Out

Actor: User

Description :

1)After selecting the book check out form with billing form

2)After confirming the page logs out

Exception:

1)No database Connection

2) Required Page not found

Pre condition:

1. Enter valid book name

Post Condition:

1)Successful- Message displaying successful and logging out the user

2)Unsuccessful- Error message

3)Exception - Stay in same page

**RESERVE BOOK ::**

**Level**- user goal level.

**Actor**- student , faculty member

**Pre- condition** - User should be Registered

**Post-condition**- User has Reserved the book

**Main success Scenario**-

1. User visit the website to access the system.
2. User enters log in information amd sign in.
3. User Search for specific book.
4. User Found the book, Click the Reservation button.
5. System ask for ID, User give it.
6. Book has been reserved for the ID number.

**Special Requirement-**

1. Maximum Response time will be 2min.
2. System cam support **Bangla, English and Urdu**.

**Open Issues**- Books can be reserved for only 24 hours.

**RETURN BOOK ::**

**Level-** User goal level.

**Actor-** Students, Faculty member.

**Pre-condition-** Books have been issued to the User.

**Post-condition-** User has reserved the Book.

**Main Success Scenario-**

1. User Visits the library to return the book.

2. User gives library card and the book to the Librarian.

3. Librarian check if the book return on time.

4. Librarian will update Book information.

5. Administator will update online book Status.

**Special Requirement-**

1. Printed fine slip must be generated.

**Open Issues-** If the User don’t fill the fine within one week,the fine will be Doubled every month.

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| **Use Case Name:** Real Time Assistant |
| **Actor:** User  **Scenario:**  1. Pop-up a dialogue box when user writes something in search box.  2. Pop-up some common problems  3. User clicks one of those  4. Related solution pops up  **Exception:**  1. No database connection.  2. Unable to track user activities  **Pre-condition:**  1. User have to stay in search page  **Post-condition:**  1. User interacts with the system  2. Solves any difficulty interacting with the system |

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| **Use Case Name:** Notify User Weekly Update |
| **Actor:** Admin  **Scenario:**  1. Admin logs in to a console.  2. Writes the updates  3. Send to all users via email  **Exception:**  1. No database connection  2. Can’t access & process database records  3. Email isn’t valid  **Pre-condition:**  1. User’s email must be saved in right format  2. Email must be valid  **Post-condition:**  1. User receives an email  2. User also receives a link directed to webpage. |

