

Use Case 1

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1 Use Case Number 1: Book checkout by Searching Author

1.1 Scope

Checkout A Book by Searching for an Author

1.2 Level

User Goal

1.3 Primary Actor

Application User

1.4 Stakeholders and Interests

Application User: Wants a fast, reliable, and accurate application to check if books are available to be checked out or when they should become available.

Librarian: Wants a fast, reliable, and accurate application to help manage books to show availability of books.

1.5 Preconditions

Application User has already created an Account and is authenticated into the system.

Application has access to the database for requesting info regarding the books.

1.6 Success Guaranteed

1.7 Main Success Scenario

1. User Access the Application.
2. User starts new search.
3. User searches for wanted Author.
4. System returns books from search results.
5. User will then need to acquire the book from the physical location of where it is.
6. User will then go to front desk to checkout with said book. 7. System will update availability status of the book that was checked out.

1.8 Extensions

*a. At any time the system fails

Ensure manual transactions copies are kept to update database upon the system restart

3.a No Results for Search Terms

1. Show no results on search screen
2. Display message to confirm search term is correct

7.a If system is down

1. Manual copies of book to be checked out must be taken
2. System Database will be updated by Librarian once the system is back online

1.9 Special Requirements

Application can be accessed from computer or smart device to search for information.

When checking out, the database will be updated by the actions taken by librarians

1.10 Technology and Data Variations Lists

Database must be updated from the library checkout location.

Application should be usable on a variety of systems to allow inputs to search database.

1.11 Frequency of Occurrence

Multiple uses daily, potentially continuous use

1.12 Open Issues

What to do if System is down due to maintenance or another issue?