**Borrow Book**

**Project Name: Library Management System**

Revision History

| **Version** | **Date** | **Revision Description** |
| --- | --- | --- |
| 1 | January 18, 2015 | Initial Draft |
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**Use Case Name:** Borrow Book

**Use case Description:** Borrow book

**Actor:**

User

**Trigger:**

User action

**Pre conditions:**

1. User must be logged into system
2. Book to be borrowed should be available in catalogue

**Success end conditions:**

1. Add book to user account.
2. Decrease book count from library catalogue for this book.
3. Return book to user with http code 201.

**Failure end condition:**

1. Error message “Book can’t be lent as you have reached max available limit of xxx” with http code 400.
2. Error message “Book can’t be lent due to age restricted material” with http return code 400.

**Primary Flow:**

1. User create HTTP POST request with book details. For details, please refer Special Requirements.
2. System validates that users maximum borrow limit hasn’t reached.
3. System validates that book doesn’t have age restricted material.
4. System adds book to Users account and updates expiration date.\*\*\*
5. System decrease book count from library catalogue for this book.
6. System returns book to User.

**Alternate Flow:**

2a. use case ends, and returns failure end condition 1.

3a. use case ends, and returns failure end condition 2.

**Frequency of Use:**

30/min

**Special Requirements:**

User must provide below information in the input http request

1. bookId

**Assumptions:**

None