

**LMS**

**Use Case Specification: <Issue a Book>**

**Version <1.0>**

LMS	Version: 1.0
Use Case Specifications: <Use-Case Name>	Date: <11/01/2023>

## Revision History

Date	Version	Description	Author
January 11, 2023	V1.0	First Draft	Business Analyst

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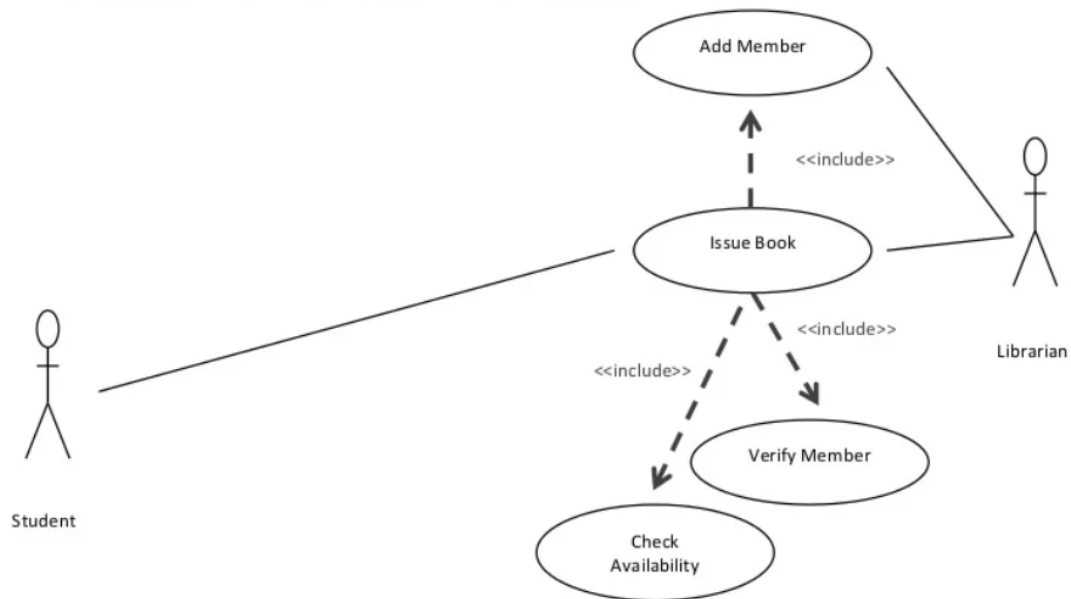
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# Use Case Specifications: <Issue a Book>

## 1. Issue a Book

### 1.1 Brief Description

*The librarian as a user will have the responsibility to issue a book*



## 2. Pre-Conditions

*The librarian must have logged into the system*

## 3. Flow of events

### 3.1 Basic Flow

Basic flow of this use case will be as follows:

1. The student /faculty makes an enquiry about a book
2. The librarian checks the availability of book
3. If the book is available, the librarian checks if the requesting member is a member of the LMS system.
4. If the requester is a member, the librarian will check the limit of books for this member
5. If the limit is not crossed, the librarian will issue the book to the member
6. The librarian will add the date of issue, due date and membership id of the member, to whom the book is issued.
7. The book status is updated
8. The member record is updated

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## 3.2 Alternative Flows

### 3.2.1 <Book not available -1a>

In case the book is not available, the member is informed, and no further action is needed.

### 3.2.2 <Book is available but not a valid member – 2a>

- In case member not registered with the LMS, the librarian will ask for required details and identification
- The librarian will add the member in the LMS system by entering member data
- Once the registration is done, step 4 of the main flow will start.

### 3.2.3 <Maximum limit of books reached – 3a>

- In case of member has already borrowed the number of books, allowed to him, the new book will not be issued to him.

## 4. Screen

The screenshot shows the LIBTECH web application interface. At the top, there is a blue header with the LIBTECH logo and a navigation bar. Below the header, the main content area is divided into sections. The first section is titled "Home > Issue a book". It contains three input fields for "Book Title", "Book Author", and "ISBN", followed by a "Search" button. Below this is a section titled "Issue a Book" which contains two input fields for "Membership Number" and "Member Name", followed by "Find Member" and "Add Member" buttons. The third section is titled "Member Details" and displays a table with the following information:

Membership Number: LB/2017/20134	Books Issued: 1
Member Name: Rohit Mahesh	Member Since: 21-Dec-17

At the bottom of the "Member Details" section, there is an "Issue Book" button.

## 5. Post-Conditions

Book is issued to the member

## 6. Extension Points

System not working

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## 7. Includes

This use case includes the following use cases:

- Validate/Verify member
- Add a member
- Check availability of book

## 8. Functions

### 8.1 Search for the book

#### 8.1.1 Overview

The librarian can search for a book by entering the search parameters.  
All the matching results will be displayed as output.

#### 8.1.2 Logic/Formula/Processing

The book search will be based on its title, ISBN number, Author(s), year of publication. All the results will be published as output.

#### 8.1.3 Input screen layout

#### 8.1.4 Input screen Fields Information

Name	Format	Mandatory	Description/Validation	Source	Applies to
Title	Text(100)	Y	-	Librarian	All
ISBN Number	Alphanumeric(20)		-	Librarian	All
Author	Text(100)	Y	-	Librarian	All

#### 8.1.5 Validations

#### 8.1.6 Output screen layout

#### 8.1.7 Output Fields Information

Name	Format	Mandatory	Description/Validation	Source	Applies to
Title	Text(100)	-	-	System	All
ISBN Number	Alphanumeric(20)	-	-	System	All
Author	Text(100)	-	-	System	All
Year of publication	Number(4)	-		System	
No of copies available	Number(2)	-		System	