Requerimientos Funcionales

# Register new book manually

## Introduction

The System must allow to register new books manually.

## Required Information

* Details of the book
* Date of registration

## Process

* The author of the book must already exist in the system
* The publisher of the book must already exist in the system
* Fill the ISBN of the book
* Verify that the ISBN does not already exists in the system
* Fill the name of the book
* Fill the author or authors of the book
* Fill the date of acquisition
* Fill the optional fields
* Check if the book will be available for check out
* Fill the amount of copies
* Set the physical location of the book

## Goal

* The book must exist in the system database with its required information

# Register new book automatically

## Introduction

The System must allow to register new books automatically.

## Required Information

* Details of the book
* Date of registration

## Process

* The author of the book must already exist in the system
* The publisher of the book must already exist in the system
* Scan or enter the ISBN of the book
* Verify that the ISBN does not already exists in the system
* Check if the book will be available for check out
* Fill the amount of copies
* Set the physical location of the book

## Goal

* The book must exist in the system database with its required information

# Updating book

## Introduction

The System must allow to update book details with online information.

## Required Information

* ISBN of the book

## Process

* Search for the required book to update
* Update the book details by getting online information
* Accept the changes

## Goal

* The book details must be updated with online information

# Searching for a book in the data base

## Introduction

The System must allow to search and list the books registered by using different criteria.

## Required Information

* Any information regarding the book
* Any information regarding an author
* Any information regarding a publisher

## Process

* Fill any information regarding a book, author, or publisher
* A list of books with matching details should be displayed

## Goal

* A list of books with the desired criteria should be shown

# Checking out a book

## Introduction

The system must allow to check out books to customers and keep track of the time.

## Required Information

* Customer information
* ISBN of the book

## Process

* Verify that the book exists in the system
* Verify that the book is available for checking out
* Search for the book in the system
* Mark the copy of the book as checked out
* Update the remaining available copies of the book
* Keep track of remaining days until getting the book back

## Goal

* The available copes for checking out for the book must be updated
* The book and customer information must appear in the list of books to be returned