Use case description

View items

Use case	View Items
Summary	Views items based on customer's requirement
Actor	Customer
Precondition	Database must be populated
Postcondition	Database must be populated
Main scenario	1. Customer selects by what attribute he wants to search 2. System shows a list of all Items, with that specific attribute
Alternate Scenarios	If there are no data stored, continue from 1. If the system cannot find item with specific attribute, continue from 1.

Borrow items

Use case	Borrow items
Summary	The customer borrows items from the library
Actor	Customer
Precondition	Customer has an account and is logged in. The selected item is not currently borrowed by any other customers
Postcondition	The item will be borrowed by the customer
Main scenarios	1. The customer chooses an item to borrow 2. The system checks the item's availability 3. The item is borrowed by the customer and system has been updated

Alternative scenarios	*a At any time during step 1 Customer cancels
	    1. The use case ends
	
	2a The item is already reserved
	    1. System informs customer, that item is already borrowed

Reserve item

Use case	Reserve items
Summary	The customer reserve items from the library
Actor	Customer
Precondition	Customer has an account and is logged in. The selected item is already borrowed by other customer
Postcondition	The customer was added to the queue for item reserve
Main scenarios	1. The customer chooses book to reserve 2. The system checks the item's availability

	3. The item is reserved by the customer and the customer is added to the queue for the item. And the system has been updated
Alternative scenarios	*a At any time during step 1 Customer cancels 2. The use case ends

Login

Use case	Login
Summary	The customer logins into the system
Actor	Customer
Precondition	The customer already has an account registered
Postcondition	The customer is logged in the system
Main scenarios	1. The customer provides CPR number and password 2. The system validates the customer's CRP number and password

Alternative scenarios	2a The systems fails to validate credentials
	    1. The system signals an error and prompts for new credentials
	    2. The use case proceeds from (1)

Return items

Use case	Return items
Summary	The customer can return borrowed items
Actor	Customer
Precondition	The customer has borrowed items
Postcondition	The due date of the item has been removed and the item is available for reservation
Main scenarios	1. The customer selects the item to return 2. The system checks for due date 3. The item is removed from the customer's borrowed list
Alternative scenarios	

Register

Use case	Registor
Summary	The visitor signs up into library system
Actor	Visitor
Precondition	Visitor has an CPR
Postcondition	The visitor's account was created, and visitor can log into the system as a customer

Main scenarios	1. Visitors provides his/her information as a CPR, password, name, address and credit card information 2. System validates data 3. Visitor's account was created

Alternative scenarios	At any time during step 1 visitor cancels
	    1. The use case ends
	
	2a The account already exists
	    1. System informs visitor, that system already exists
	2b visitor's information are invalid
	    1. System informs visitor, that his/her data are not valid

Edit customer info

Use case	Edit customer info
Summary	The customer manages his/her account
Actor	Customer
Precondition	Customer must have an account
Post condition	Changes made by customer are saved

Main scenario	1. The customer chooses to change the value for:
	    a. Full name
	    b. Password
	    c. Address
	    d. Credit card info

Alternative scenario	1a The entered value is the same as previous value 1. No change has been made