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| ID and name | UC - 1: Log In | | |
| Primary actor | User | Secondary actors | System |
| Description | The User logs into the application by typing their account credentials | | |
| Trigger | User indicates the intention to log into the system. | | |
| Preconditions | PRE-1: The application is accessible.  PRE-2: User has a registered account. | | |
| Postconditions | POST-1: User is successfully logged into the system. | | |
| Normal flow | 1.0 Provide Credentials   1. User accesses the login interface. 2. User provides their username and password. 3. System verifies the provided credentials to be present in the stored user data and grants access to the user’s account. | | |
| Alternative flows |  | | |
| Exceptions | 1.0.E1 Invalid Credentials   1. System notifies the user that the credentials do not belong to an account.   2a. User refuses to provide the required credentials the use case is terminated.  2b. User provides the required credentials and the use case is restarted. | | |

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| ID and name | UC-2: Borrow Book | | |
| Primary actor | Subscriber | Secondary actors | Librarian |
| Description | The Subscriber accesses the system and creates a Borrow Request by selecting a book from a list of Available Books. Upon creating the request the Librarian receives an updated list of Requests. | | |
| Trigger | The Subscriber indicates the action of borrowing a book. | | |
| Preconditions | PRE-1. The Subscriber is logged into the system. | | |
| Postconditions | POST-1. Borrow Request is successfully recorded into the system.  POST-2. The Requests List is updated on the Librarian’s window. | | |
| Normal flow | 1.0 Create Borrow Request   1. Subscriber selects a book from the Available Books list. 2. Subscriber indicates that he wants to borrow the selected book. 3. System updates and displays the updated list of Borrow Requests for the Librarian. | | |
| Alternative flows |  | | |
| Exceptions |  | | |

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| ID and name | UC-3: Update Request | | |
| Primary actor | Librarian | Secondary actors | System |
| Description | The Librarian accesses the system and updates a Borrow Request by changing it’s status. | | |
| Trigger | The Librarian indicates the need to update a request | | |
| Preconditions | PRE-1. The Librarian is logged into the system. | | |
| Postconditions | POST-1. Request is successfully updated in the system.  POST-2. The Requests List is updated for the Librarian.  POST-3. If the Request was Accepted the Available Books list is updated for every Subscriber.  POST-4. If the Request was Accepted the Borrowed Books list is updated for the Librarian and the Subscriber. | | |
| Normal flow | 1.0 Update a Request   1. Librarian accesses the update requests functionality. 2. Librarian selects request from the list. (1.1) 3. Librarian changes status for request to Accepted. 4. Librarian indicates that the request updating is complete. 5. System updates and displays the updated list of requests. | | |
| Alternative flows | * 1. Declines Request  1. Librarian changes status for request to Declined. 2. Resumes normal flow of case use. | | |
| Exceptions |  | | |

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| ID and name | UC-4: Update Borrowed book | | |
| Primary actor | Librarian | Secondary actors | System |
| Description | The Librarian accesses the system to view the list of Borrowed Books. The Librarian can select any Book from the list to change it’s status to Returned. Upon declaring that the book has been returned, it is removed from the list of Borrowed Books and the list of Available Books is updated with the returned book. | | |
| Trigger | The Librarian indicates the need to update a Borrowed Book status. | | |
| Preconditions | PRE-1. The Librarian is logged into the system. | | |
| Postconditions | POST-1. The Borrowed Book’s status is changed in the system.  POST-2. The Available Books list is updated.  POST-3 The Borrowed Books list is updated. | | |
| Normal flow | 1.0 Update a Borrowed Book   1. Librarian accesses the update borrowed books functionality.(1.1) 2. Librarian selects borrowed book from the list. 3. Librarian changes status for borrowed book to Returned. 4. Librarian indicates that the request updating is complete. 5. System updates and displays the updated list of borrowed books. | | |
| Alternative flows | * 1. Update multiple Borrowed Books  1. Librarian selects multiple borrowed books from the list. | | |
| Exceptions |  | | |

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| ID and name | UC-5: Logout | | |
| Primary actor | User | Secondary actors | System |
| Description | User logs out of the system, terminating their current session and ending access to the application’s features. | | |
| Trigger | User indicates the intention to log out of the system. | | |
| Preconditions | PRE-1. User is logged into the system. | | |
| Postconditions | POST-1. User’s session is terminated.  POST-2. User is logged out of the system. | | |
| Normal flow | **1.0 Logout**   1. User triggers the logout action. 2. System prompts the user to confirm their decision to log out. 3. User confirms the logout action. (see 1.1) 4. System terminates the user’s current session. | | |
| Alternative flows | **1.1 Cancel Logout**   1. User decides not to log out of the system. 2. System terminates the use case. | | |
| Exceptions | **-** | | |