**ANALYSIS (USER-LEVEL) USE CASE**

**Author: Eric Graeb Date:\_September 18, 2021**

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| **USE CASE NAME:** | LendItem | |
| **ACTOR(S):** | Check Out Clerk | |
| **DESCRIPTION:** | Check Out Clerk uses the system to lend an item | |
| **REFERENCES** | UC-002 | |
| **TYPICAL COURSE OF EVENTS:** | Actor Action | System Response |
|  | **Step 1** enters the item number | **Step 2** looks up the item information (item no., and an on-loan indicator). |
|  | **Step 3** enters the borrower number | **Step 4** looks up the borrower information. |
|  |  | **Step 5** creates a loan record with loan no., due date and return date. |
|  |  | **Step 6** updates the item record to indicate the item is on loan. |
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| **ALTERNATE COURSES:** | **Alt Step 2** If the item information can't be found allow the actor has two chances to re-enter it correctly and then display an error message and cancel the transaction. | |
|  | **Alt Step 4** If the borrower information can't be found allow the actor two chances to re-enter it correctly and then display an error message and cancel the transaction. | |
|  | **Alt Step 5** If the borrower had a reservation for the book being checked out, the system will remove the reservation (see remove reservation use case) and update the title record. | |
| **PRE-CONDITION:** | Borrower has been registered in the system (see AddBorrower use case) | |
|  | Title has been registered in the system (see AddTitle use case) | |
| **POST-CONDITION:** | Borrower is given the option to borrow other items. | |
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| **ASSUMPTIONS:** | Items for title are available for loan (see AddTitle and AddItem use cases) | |
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| **USE CASE NAME:** | MakeReservation | |
| **ACTOR(S):** | Check Out Clerk | |
| **DESCRIPTION:** | Check Out Clerk reserves a title for a borrower | |
| **REFERENCES** | UC-001 | |
| **TYPICAL COURSE OF EVENTS:** | Actor Action | System Response |
|  | **Step 1** enters title information | **Step 2** locates the title information for this item (title no., name, author, isbn and type.) |
|  | **Step 3** enters borrower number | **Step 4** locates the borrower's information (last name, first name, address, city, postal code, province) |
|  |  | **Step 5** creates a reservation record (reservation no.) |
|  |  | **Step 6** modify the title record to show a reservation has been added. |
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| **ALTERNATE COURSES:** | **Alt. Step 2** If the system can’t find the title, allow actor to enter the data twice more, display an error message and then cancel the reservation attempt. | |
|  | **Alt. Step 4** If the system can’t find the borrower, allow the actor to enter the data twice more, display an error message and then cancel the reservation attempt. | |
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| **PRE-CONDITION:** | Borrower has been registered in the system (see AddBorrower use case). | |
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| **POST-CONDITION:** | Borrower will be given the option to reserve additional titles. | |
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| **ASSUMPTIONS:** | A title record has been created and items are available for loan (see AddTitle and AddItem use cases). | |
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