**TEST CASE**

**Author:\_\_ \_Yifan li\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_22th Jan 2023\_\_\_\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| **USE CASE NAME:** | Lend Item | |
| **ACTOR(S):** | Check Out Clerk | |
| **DESCRIPTION:** | To verify that the system is functioning correctly by testing the lending item process | |
| **REFERENCES** | UC-002 | |
| **TYPICAL COURSE OF EVENTS:** | Actor Action | System Response |
|  | **Step 1**  Log in as a Check Out Clerk, navigate to the lend item page |  |
|  | **Step 2**  Enter the item number (item number:123456) | **Step 3** Verify that the item information is displayed correctly (item number and loan indicator) |
|  | **Step 4** Enter the borrower number (borrow number: 654321) | **Step5** Verify that the borrower information is displayed correctly ((last name, first name, address, city, postal code, province) |
|  | **Step6** Click on the lend button | **Step7** Verify that a loan record is created with loan number, due date, and return date |
|  |  | **Step8** Verify that the item record is updated to indicate that it is on loan |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| **PRE-CONDITION:** | The borrower and item being lent must be registered in the system (see AddBorrower use case) | |
|  | The item must not already be on loan. | |
| **POST-CONDITION:** | The item is marked as on loan and the loan is recorded in the system. | |
|  |  | |
| **ASSUMPTIONS:** | The system can correctly identify the borrower and item being lent based on the information entered by the checkout clerk. | |
|  |  | |

**TEST CASE**

**Author:\_\_ \_Yifan li\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_22th Jan 2023\_\_\_\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| **USE CASE NAME:** | MakeReservation | |
| **ACTOR(S):** | Check Out Clerk | |
| **DESCRIPTION:** | To ensure that the reservation system is functioning correctly by testing the reservation process | |
| **REFERENCES** | UC-001 | |
| **TYPICAL COURSE OF EVENTS:** | Actor Action | System Response |
|  | **Step 1**  Log in to the system as a Check Out Clerk and navigate to the "Make Reservation" screen |  |
|  | **Step 2**  Enter "The Great Gatsby" as the title name, "F. Scott Fitzgerald" as the author, "978-0743273567" as the ISBN, and "Novel" as the type | **Step 3** Verify that the title information is displayed correctly (title no., name, author, isbn and type.) |
|  | **Step 4** Enter the borrower number (borrow number 654321) | **Step5** Verify that the borrower information is displayed correctly ((last name, first name, address, city, postal code, province) |
|  | **Step6** Click on the "Reserve" button | **Step7** Verify that a reservation record is created with a reservation number |
|  |  | **Step8** Verify that the title record is updated to show that a reservation has been added |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| **PRE-CONDITION:** | The borrower must already be registered in the system before they can make a reservation | |
|  |  | |
| **POST-CONDITION:** | Borrower is given the option to reserve additional titles, and reservation is created successfully | |
|  |  | |
| **ASSUMPTIONS:** | The system has been set up correctly and all necessary data has been entered into the system. | |
|  |  | |