| **Test Name** | | | **Borrow-00 – Prepare Borrow Book** | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | * The system is reset in its initial state waiting for the user to select the borrow button, * The borrower must be a member of the library with a valid membership card. | | | |
| **Pre-conditions** | | | [Detail any of pre-conditions for execution of this test script] | | | |
| **Post-conditions** | | | [Detail the post-conditions of executing this test script] | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
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| --- | --- | --- | --- | --- | --- |
| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| [Data field 1] | [data set 1 input value for field 1] |  |  |  |  |
| [Data field 2] | [data set 1 input value for field 2] |  |  |  |  |
| [Data field 3] | [data set 1 input value for field 3] |  |  |  |  |

| **Test Name** | | | **Borrow-01 - Successfully Borrow A Book** | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | A borrower swipes their library card. If there are no borrowing restrictions they then scan the barcode of each book they wish to borrow. When they have scanning all the books they wish to borrow, a loan slip is printed. | | | |
| **Pre-conditions** | | | * A member of the library who wishes to borrow a book * The borrower must be a member of the library with a valid membership card. * There are books to borrow. | | | |
| **Post-conditions** | | | * The user successfully borrows a book. | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
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| **Test Name** | | | **Borrow-02 - Borrowing multiple books.** | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | After Test case Borrow-01, the user chooses to borrow more books. | | | |
| **Pre-conditions** | | | * A member of the library who wishes to borrow a book * The borrower must be a member of the library with a valid membership card. * There are books to borrow. * The user has completed a round of borrowing (Borrow-01) | | | |
| **Post-conditions** | | | * The user successfully borrows a book. | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
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| **Test Name** | | | **Borrow-03 - Loan Limit Reached** | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | After scanning several books the user reaches the loan limit, preventing them from scanning further books | | | |
| **Pre-conditions** | | | * A member of the library who wishes to borrow a book * The borrower must be a member of the library with a valid membership card. * There are books to borrow. * The user has previously swiped their card and has successfully scanned several books. | | | |
| **Post-conditions** | | | The user is unable to scan books more books as the scanner is disabled. | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
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| **Test Name** | | | **Borrow-04 - Borrowing With Borrowing Restrictions due to Overdue loans** | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | A borrower swipes their library card and the system finds that the borrower has borrowing restrictions due to overdue loans, Preventing them from borrowing. | | | |
| **Pre-conditions** | | | Borrower has borrowing restrictions due to overdue loans | | | |
| **Post-conditions** | | | The user is unable to scan books as the scanner is disabled, the user cancels. | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
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| **Test Name** | | | **Borrow-05 - Borrowing With Borrowing Restrictions due to fines** | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | A borrower swipes their library card and the system finds that the borrower has borrowing restrictions due exceeding the maximum amount of fines owing. Preventing them from borrowing. | | | |
| **Pre-conditions** | | | Borrower has borrowing restrictions due to maximum fines owing. | | | |
| **Post-conditions** | | | The user is unable to scan books as the scanner is disabled, the user cancels | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
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| **Test Name** | | | **Borrow-06 - Borrowing With Borrowing Restrictions due to maximum books** | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | A borrower swipes their library card and the system finds that the borrower has borrowing restrictions due borrowing the maximum number of books permitted. Preventing them from borrowing. | | | |
| **Pre-conditions** | | | Borrower has borrowing restrictions due to maximum books borrowed – user 0005 tries to borrow several books | | | |
| **Post-conditions** | | | The user is unable to scan books as the scanner is disabled, the user cancels. | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
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| **Test Name** | | | **Borrow-07 - Finalized Loan List cancelled** | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | After swiping their card and scanning several books the user decides to cancel the loan. | | | |
| **Pre-conditions** | | | The swipes their card and scans a number of books | | | |
| **Post-conditions** | | | The pending loan list is cleared | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
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| **Test Name** | | | **Borrow-08 - User chooses not to borrow any books** | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | After swiping their card the user chooses to not scan any books | | | |
| **Pre-conditions** | | | The user swipes their card, | | | |
| **Post-conditions** | | | The borrower is logged out of the system, returning the system to the borrow button. | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
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