| **Test Name** | | | Member Acceptable Loans | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | This test case will ensure that a user that has current loans but has not reached the loan limit can still borrow | | | |
| **Pre-conditions** | | | Test data is created within the program | | | |
| **Post-conditions** | | | The user could borrow a book | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | | **Pass** | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
|  | Open the program | | | The program opens with 4 panels *Display*, *Card* *Reader*, *Scanner* and *Printer*. Only the *Display* panel is active | X |  |
|  | Press the **Borrow Books** button | | | The *Card Reader* becomes active.  The *Display* panel changes to give a **Cancel** button | X |  |
|  | Input Member ID, press **Swipe Card** button | | | The *Card Reader* becomes inactive  The *Scanner* becomes inactive  The *Display* panel changes to list the following   * Member details * Lists any borrowing restriction * Lists any existing loans   + Two books are listed * Current book that was just scanned * The pending loan list * A **Complete** button * A **Cancel** button | X |  |
|  | Enter the Book ID 10 into the *Scanner* panel. Press the **Scan Book Barcode** button. | | | The Current book is populated with the following  Book ID: 10  Author: author3  Title: title10  The pending loan list is populated with the following  Loan ID: 0  Author: author3  Title: title10  Borrower: fName0 lName0  Borrowed: 02/10/2015  Due Date: 16/10/2015 | X |  |
|  | Press the **Completed** button | | | The *Display* panel shows a list of all new loans the user will be responsible for | X |  |
|  | Press the **Confirm** button | | | The *Printer* panel displays all the information previously in the *Display* panel and other loans the user is responsible for  The *Display* panel is returned to its beginning state | X |  |
|  | Repeat steps 2 and 3 | | | The user should now have an existing loan | X |  |
|  | Close the program pressing the **X** in the top right of the *Display panel* | | | The program closes | X |  |

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| --- | --- | --- | --- | --- | --- |
| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| Member ID | 6 |  |  |  |  |
| Book ID | 10 |  |  |  |  |