| **Test Name** | | | Member Clean Accept Maximum Books | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | This test case will run the user through a perfect scenario with a user that has no fines or no loans and accept the loan agreement | | | |
| **Pre-conditions** | | | Test data is created within the program | | | |
| **Post-conditions** | | | The user was able accept the loan of 5 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 active  The *Display* panel changes to list the following   * Member details   + ID (1)   + Name (fName0 lName0)   + Contact (0001) * Lists any borrowing restriction (None) * Lists any existing loans (None) * Current book that was just scanned (None) * The pending loan list (None) * A **Complete** and **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 |  |
|  | Repeat Step 4 by scanning more books as per the data table Book IDs | | | Once the last Book ID (14) is entered the *Display* panel will automatically go to the confirm screen. | X |  |
|  | Press the **Confirm** button | | | The *Printer* panel displays all the information previously in the *Display* panel and all other books 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 all books in the existing loan.  Note: an error message will also say the user has reached there limit. | 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 | 1 |  |  |  |  |
| Book ID | 10 | 11 | 12 | 13 | 14 |