| **Test Name** | | | New Library | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow books | | | |
| **Test Description:** | | | To check behaviors of various of the system in response to various scenarios pertaining to borrowing books | | | |
| **Pre-conditions** | | | All scenarios:   * Home screen is displayed * Card reader disabled * Book scanner disabled * Printer on standby | | | |
| **Post-conditions** | | | Happy Day scenario:   * Home screen is displayed * Card reader disabled * Book scanner disabled * Loan slip printed   Rejected loan scenario:   * Scanning panel is displayed * Borrower details displayed * Existing loan details displayed * Pending loan list empty * Scan count == number of existing loans * Cancel button enabled * Card reader disabled * Book scanner enabled   Overdue loans scenario:   * Restricted panel displayed * Cancel button enabled * Existing loan details displayed * Existing fine message displayed if relevant * Overdue message displayed * Card reader disabled * Book scanner disabled   At loan limit scenario:   * Restricted panel displayed * Cancel button enabled * Existing loan details displayed * Existing fine message displayed if relevant * At loan limit message displayed * Card reader disabled * Book scanner disabled | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | | **Pass** | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
|  | Click on “Borrow Books” | | | Enable card reader | x |  |
|  | Enter “1” for member ID | | | Enable book scanner, main panel change to scanning | x |  |
|  | Enter “10” for book barcode | | | Book added to pending loan list | x |  |
|  | Click “Complete” | | | Main panel change to loan confirmation | x |  |
|  | Click “Confirm” | | | Main menu reverts to home screen, loan slip printed | x |  |
|  | Click on “Borrow Books” | | | Enable card reader | x |  |
|  | Enter “1” for member ID | | | Enable book scanner, main panel change to scanning | x |  |
|  | Enter “11” for book barcode | | | Book added to pending loan list | x |  |
|  | Click “Complete” | | | Main panel change to loan confirmation | x |  |
|  | Click “Reject” | | | Main panel revers to scanning mode | x |  |
|  | Click “Cancel” | | | Main panel reverts to home screen | x |  |
|  | Click on “Borrow Books” | | | Enable card reader | x |  |
|  | Enter “2” for member ID | | | Main panel shows borrowing restrictions (overdue) | x |  |
|  | Click “Cancel” | | | Main panel reverts to home screen | x |  |
|  | Click on “Borrow Books” | | | Enable card reader | x |  |
|  | Enter “4” for member ID | | | Main panel shows borrowing restrictions (loan limit) | x |  |
|  | Click “Cancel” | | | Main panel reverts to home screen | x |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| [Data field 1] | 1 | 1 | 2 | 4 |  |
| [Data field 2] | 10 | 11 |  |  |  |
| [Data field 3] |  |  |  |  |  |