| **Test Name** | | | Happy Day Test | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | Each of the required steps for the borrow use case is executed in a linear fashion. The borrow books button is pressed, the member id is input, the book is scanned, the scanning session is completed and then the loan is confirmed. | | | |
| **Pre-conditions** | | | The main menu of the program is displayed. This contains a “Borrow Books” button which is used to start the Borrow Book use case. The program is simply loaded in its default configuration. There is existing test data for members and books. | | | |
| **Post-conditions** | | | The user is returned to the main menu of the program. At least one new loan is added to the relevant member, and the book’s status is updated to On\_Loan. A receipt is also printed. | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
|  | Click “Borrow Books” button | | | Cancel button enabled, card reader is enabled and scanner is disabled | P |  |
|  | Enter member ID and click “Swipe Card” button | | | Complete and Cancel buttons enabled, card reader is disabled, scanner is enabled, borrower details displayed and existing loans displayed | P |  |
|  | Enter Book ID and click “Scan Book” button | | | Cancel button enabled, card reader is disabled, scanner is enabled, scanned books details displayed and Current pending loan list displayed. | P |  |
|  | Click “Completed” button | | | List of pending loans displayed, Cancel button enabled, card reader is disabled and scanner is disabled | P |  |
|  | Click “Confirm” button | | | Main menu is displayed, card reader is disabled and scanner is disabled |  |  |

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| --- | --- | --- | --- | --- | --- |
| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| Member ID | 1 |  |  |  |  |
| Book ID | 13 |  |  |  |  |