| **Test Name** | | | Swipe Borrower Card | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Identify borrower to system | | | |
| **Test Description:** | | | Identify borrower to system | | | |
| **Pre-conditions** | | | CardReader visible and enabled  BorrowBookCTL  cardReader  memberDAO exists  BorrowBookCTL state == INITIALIZED | | | |
| **Post-conditions** | | | **(Member exists and not restricted)**  Scanning panel of BorrowBookUI displayed  Complete, cancel buttons enabled  cardReader is disabled  borrower details displayed  existing loans displayed  scan count initialized as number of existing loans  existing fine message displayed if relevant  BorrowBookCTL state == SCANNING\_BOOKS  **(Member exists and is restricted)**  Restricted panel of BorrowBookUI displayed  Cancel button enabled  CardReader is disabled  Scanner is disabled  Borrower details displayed  Exising loans displayed  Exising fine message displayed of applicable  atLoanLimit message displayed if applicable  BorrowBookCTL state == BORROWING\_RESTRICTED | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
|  | **Test 1 – Borrowing not restricted** | | | |  |  |
|  | Press (Borrow Books) on main menu | | | Will enable card reader screen | \* |  |
|  | Enter user id 1 – and press (swipe card) | | | 1. Scanning panel of BorrowBookUI displayed 2. Complete, cancel buttons enabled 3. cardReader is disabled 4. borrower details displayed 5. existing loans displayed (IF ANY) 6. scan count initialized as number of existing loans 7. existing fine message displayed if relevant | \* |  |
|  | **Test 2 – Borrower has overdue loans** | | | |  |  |
|  | Press (Borrow Books) on main menu | | | Will enable card reader screen | \* |  |
|  | Ender user id 2 – and press (swipe card) | | | 1. Restricted panel of BorrowBookUI displayed 2. Cancel button enabled 3. Scanner + CardReader is disabled 4. Borrower details displayed 5. Exising loans displayed 6. BorrowBookCTL state == BORROWING\_RESTRICTED | \* |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| Enter member id (text field) | 1 | 2 | 3 | 4 | 5 |
| [Data field 2] |  |  |  |  |  |