| **Test Name** | | | Successful Transaction | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | TST01 | | | |
| **Test Description:** | | | A user is able to scan their card, scan their book and confirm the loan. | | | |
| **Pre-conditions** | | | Member must exist, book must exist, member must have no max fines or outstanding loans, the book must have only been scanned once, member must be allowed to borrow books. | | | |
| **Post-conditions** | | | Member has a new loan, book is borrowed. | | | |
| **Notes:** | | **Implementation is incomplete, display would not show details for some reason.** | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | | **Incomplete** | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
|  | User presses Borrow Book button | | | Card Reader panel is enabled | P |  |
|  | User enters member ID and presses the Swipe Card button. | | | Display updated with member details and Scanner panel is enabled |  | F |
|  | User enters barcode (ID) and presses the Scan Book Barcode button | | | Display updated with book and loan details, buttons are enabled for loans |  | F |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| ctl.state | CREATED | INITIALIZED | SCANNING\_BOOKS | SCANNING\_BOOKS | COMPLETED |
| bookList.size() | 0 | 0 | 0 | 0 | 1 |
| member.state | BORROWING\_ALLOWED | BORROWING\_ALLOWED | BORROWING\_ALLOWED | BORROWING\_ALLOWED | BORROWING\_ALLOWED |