| **Test Name** | | | TestBorrowBook | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Borrow Book | | | |
| **Test Description:** | | | Tests when the book can be borrowed with and without borrowing restriction | | | |
| **Pre-conditions** | | | Must be a member , needs to enter member id in the UI, checks existing loans, book pending | | | |
| **Post-conditions** | | | Book found and available to borrow, book not found, enter another search | | | |
| **Notes:** | | **User interface used after the implementation of borrow book method testing in the TestLoan and TestBook entities test. Tested for with or without restrictions.**  **GUI takes input as desired and performs operations to provide desired output.** | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
|  | Unit testing for the borrow book method | | | Takes input provides desired output lets u borrow book | P |  |
|  | Interface tested with inputs in the GUI with desired out put | | | Rajects borrowing with book not found error when book is null as parameter | p |  |
|  | Junit testing for the method borrow book | | | Test result pass/fail using junit runner | P |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| Member | Member = null |  |  |  |  |
| Scanner | Scanner = null |  |  |  |  |
| Scan book barcode button | Checks if book available |  |  |  |  |