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| **Test Name** | | Member at loan limit is Restricted (and thus cannot borrow): |
| **Use Case Tested:** | | Borrow Book |
| **Test Description:** | | This test case evaluates that already having the maximum allowed number (5) of loans causes the Member to become Restricted. The system should stop Restricted member from being able to access the borrowing UI & this prevent the member from scanning and/or borrowing more books. The member should only be able to see their membership and loan details. |
| **Pre-conditions** | | Member must exist, and have the maximum allowed (5) loans. |
| **Post-conditions** | | State of system, and member remain unchanged. Key conditions is that the member is Restricted. |
| **Notes:** | For this and all other scenarios, it is assumed that the system is operational and in a ready state – that is, the card reader, scanner, printer and display are all visible, with the Main Menu panel displayed – and all necessary objects have been correctly created and initialized.  Also, to use the data used in these tests, please see setupTestDataNick.txt – it provides a replacement method for setupTestData() in the Main class. | |
| **Result (Pass/Fail/Warning/Incomplete)** | **Pass** | |

|  | **TEST STEP** | **EXPECTED TEST RESULTS** | P | F |
| --- | --- | --- | --- | --- |
|  | Sam arrives at kiosk, and sees the main menu |  | P |  |
|  | Sam clicks the ‘Borrow Books’ button on the main display panel | The system enables the card scanner and prompts Sam to swipe her card. | P |  |
|  | Sam swipes her card (id == 2) | The system displays her personal details, the details of her existing 5 loans and an error message informing her that “Borrower has reached the maximum number of borrowed items.”  The system also notifies Sam that “Borrowing [is] Restricted” – and as a result, the card reader, book scanner and ‘completed’ button are all disabled. The ‘cancel’ button is the only option available to Sam. | P |  |
|  | Sam clicks the ‘cancel’ button | The system displays the main menu | P |  |

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| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| Member | sam  (id == 2) |  |  |  |  |
| Books | Dune  (id == 4) | jayneEyre  (id == 5) | animalFarm  (id == 6) | ulysses  (id == 7) | onTheRoad  (id == 8) |
| Loans | samFirstLoan  Loan ID: 4  Author: Frank Herbert  Title: Dune  Borrower: Sam Malone  Borrowed: 05/10/2015  Due Date: 19/10/2015 | samSecondLoan  Loan ID: 5  Author: Charlotte Bronte  Title: Jane Eyre  Borrower: Sam Malone  Borrowed: 05/10/2015  Due Date: 19/10/2015 | samThirdLoan  Loan ID: 6  Author: George Orwell  Title: Animal Farm  Borrower: Sam Malone  Borrowed: 05/10/2015  Due Date: 19/10/2015 | samFourthLoan  Loan ID: 7  Author: James Joyce  Title: Ulysses  Borrower: Sam Malone  Borrowed: 05/10/2015  Due Date: 19/10/2015 | samFifthLoan  Loan ID: 8  Author: Jack Kerouac  Title: On the Road  Borrower: Sam Malone  Borrowed: 05/10/2015  Due Date: 19/10/2015 |

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| NOTE | Dates are based on the current date when running the application i.e. Borrowed date will be the current date, and due date will be 14 days later (the loan period). |