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| **Test Name** | | Member with OverDue loans is Restricted (and thus cannot borrow) |
| **Use Case Tested:** | | Borrow Book |
| **Test Description:** | | This test case evaluates that having OverDue 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 books. The member should only be able to see their membership and loan details. |
| **Pre-conditions** | | Member must exist and have OverDue loans. |
| **Post-conditions** | | If the member’s loans were identified as becoming overdue today (e.g. during the swiping of the card) then the loans change to overdue and the member becomes Restricted. If both were already in that state, then the state of the loans and member remain unchanged. Key condition 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 uatData.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 |
| --- | --- | --- | --- | --- |
|  | Jim arrives at kiosk, and sees the main menu |  | P |  |
|  | Jim clicks the ‘Borrow Books’ button on the main display panel | The system enables the card scanner and prompts Jim to swipe his card | P |  |
|  | Jim swipes his card (id == 1) | The system displays his personal details, the details of his existing 3 loans and an error message informing him that “Borrower has overdue loans.”  The system also notifies Jim 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 Jim. | P |  |
|  | Jim clicks the ‘cancel’ button | The system displays the main menu | P |  |

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| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| Member | jim |  |  |  |  |
| Books | catch22 | emma | scoop |  |  |
| Loans | jimFirstLoan  isOverdue() == true  Loan ID: 1  Author: Joseph Heller  Title: CATCH-22  Borrower: Jim Johns  Borrowed: 05/10/2015  Due Date: 19/10/2015 | jimSecondLoan  isOverdue() == true  Loan ID: 2  Author: Jane Austen  Title: Emma  Borrower: Jim Johns  Borrowed: 05/10/2015  Due Date: 19/10/2015 | jimThirdLoan  isOverdue() == true  Loan ID: 3  Author: Evelyn Waugh  Title: Scoop  Borrower: Jim Johns  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). |