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| **Test Name** | | Member with invalid card cannot authenticate (and thus cannot use system) |
| **Use Case Tested:** | | Borrow Book |
| **Test Description:** | | This test case evaluates that scanning an invalid card does not allow the Member to become identified or authenticated. The system should stop the member from being able to access the borrowing UI – and simply allows the member to rescan the card or cancel. |
| **Pre-conditions** | | Card must be invalid (not associated with a member – that is there must NOT be a member matching the card number). |
| **Post-conditions** | | State of system, and member remain unchanged. |
| **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 |
| --- | --- | --- | --- | --- |
|  | Jill arrives at kiosk, and sees the main menu |  | P |  |
|  | Jill clicks the ‘Borrow Books’ button on the main display panel | The system enables the card scanner and prompts Jill to swipe her card | P |  |
|  | Jill swipes her card (her id == 3)  … but the card is not working and identifies itself as 10101 | The system remains in the initialized state, notifying Jill that “Member 10101 was not found” – and as a result only the card reader, remains enabled.  Jill can rescan her card, or click the ‘cancel’ button. | P |  |
|  | Jill clicks the ‘cancel’ button | The system displays the main menu | P |  |

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| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| Member | jill |  |  |  |  |
| Books | dracula | middlemarch | hobbit |  |  |
| Loans | jillFirstLoan | jillSecondLoan | jillThirdLoan |  |  |

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| --- | --- |
| NOTE | Date is not actually required for this scenario. However member and loans are setup prior to UAT commencing (for comparison to invalid id).  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). |