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| **Test Name** | | Member (without loans or restrictions) can borrow a book |
| **Use Case Tested:** | | Borrow Book |
| **Test Description:** | | This test case evaluates the simplest case where a Member with a valid card, no loans and no restrictions, can access the borrowing UI, scan a valid book and complete a loan of that book. |
| **Pre-conditions** | | Member must exist, have no loans [more broadly, not at the loan limit], not be over fine limit. |
| **Post-conditions** | | New loan is created and associated with member. [Book borrowed becomes onloan.] |
| **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 |
| --- | --- | --- | --- | --- |
|  | Bob arrives at kiosk, and sees the main menu |  | P |  |
|  | Bob clicks the ‘Borrow Books’ button on the main display panel | The system enables the card scanner and prompts Bob to swipe his card | P |  |
|  | Bob swipes his card (his id == 4) | The system displays the ‘scanning books’ panel which shows his personal details (there are no messages displayed, and no existing loans to display either).  The scanner is now enabled (as is the ‘completed’ button) allowing Bob to scan books, while the card reader is disabled. | P |  |
|  | Bob scans the book ‘Atonement’ (id == 12) | The system now displays details of the scanned book, and displays Bob’s pending loan associated with the book.  The scanner is still enabled (allowing Bob to scan more books) as is the ‘completed’ and ‘cancel’ buttons. | P |  |
|  | Bob clicks the ‘completed’ button | The system displays the ‘confirm loans’ panel – which shows the pending loan details – with buttons to ‘complete’ or ‘reject’ this pending loan, or ‘cancel’ completely (returns to the main menu). |  |  |
|  | Bob clicks the ‘confirm’ button | The system commits the loan and prints out a loan slip with the details of the now current loan, and returns to the main menu (ready for the next borrower). |  |  |

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| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| Member | bob |  |  |  |  |
| Books | atonement |  |  |  |  |
| Loans | n/a |  |  |  |  |