| **Test Name** | | | Confirm Loans | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | BBUC\_Op5 – Confirm Loans | | | |
| **Test Description:** | | | This test will check with the Confirm Loans functionality and see if it does indeed do the process properly – that it sets itself as being COMPLETED, that the pending loans are registered into the loanDAO class and the respective objects set to recognize this change, and that the UI will return to the main menu. | | | |
| **Pre-conditions** | | | * BorrowBookCTL class must exist * Pending loan list must exist * BorrowBookCTL’s state must be set to CONFIRMING\_LOANS | | | |
| **Post-conditions** | | | * The Main Menu is displayed * All pending loans are committed and recorded into the loanDAO database class * Loan slip of committed loans is printed out from the printer * cardReader is disabled (we are not scanning any members immediately) * scanner is disabled (we are finalizing loans – no need to scan more books) * BorrowBookCTL’s state is changed to COMPLETED | | | |
| **Notes:** | |  | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | |  | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
|  | testConfirmLoans() – we test if the procedures and steps for confirming loans is done correctly | | | The loanDAO’s search for loan by member is not empty | X |  |
|  | testConfirmLoansEmptyList() – we test if the loanDAO for a member who does not have any prior loans will have a loan if an empty loan list is put through the same confirm loans process. | | | The loanDAO’s search for loan by member is empty | X |  |
|  | testTransistionToMainMenu() – we test if it does set the state properly | | | State of CTL is set to COMPLETED | X |  |

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| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| [Data field 1] | [data set 1 input value for field 1] |  |  |  |  |
| [Data field 2] | [data set 1 input value for field 2] |  |  |  |  |
| [Data field 3] | [data set 1 input value for field 3] |  |  |  |  |