**Test Case 1 – Member with OverDue loans is Restricted (and thus cannot borrow):**

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 have OverDue loans.

Post-conditions: – If the member’s loans were identified as becoming overdue today (e.g. during the swiiping 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.

Data required: Member and association OverDue loans are required to be setup prior to UAT commencing.

**Test Case 2 – Member at loan limit is Restricted (and thus cannot borrow):**

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 have the maximum allowed (5) loans.

Post-conditions: State of system, and member remain unchanged. Key conditions is that the member is Restricted.

Data required: Member and association OverDue loans are required to be setup prior to UAT commencing.

**Test Case 3 – Member with invalid card cannot authenticate (and thus cannot use system):**

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 assocaited with a member)

Post-conditions: State of system, and member remain unchanged.

Data required: None. However member and loans are setup prior to UAT commencing (for comparison to invalid id).

**Test Case 4 – Member (without loans or restrictions) can borrow a book:**

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 have no loans, not be over fine limit.

Post-conditions: New loan is created and assocaited with member. [Book borrowed becomes onloan.]

Data required: Member and book are setup prior to UAT commencing.