**Op2 – Swipe Borrower Card Use Case:**

Description:

Before a member can borrow a book, they must scan their card (member id), to prove they are a member and allowed to borrow books.

Intent: Identify borrower to system

Pre-conditions:

cardReader visible and enabled

BorrowBookCTL added as listener to cardReader

memberDAO exists

BorrowBookCTL state == INITIALIZED

Post-conditions:

**(member exists and not restricted)**

Scanning panel of BorrowBookUI displayed

Complete, Cancel buttons enabled

cardReader is disabled

scanner is enabled

borrower details displayed

existing loans displayed

scan count initialized as number of

existing loans

existing fine message displayed if relevant

BorrowBookCTL state == ***SCANNING\_BOOKS***

**(member exists and is restricted)**

Restricted panel of BorrowBookUI displayed

Cancel button enabled

cardReader is disabled

scanner is disabled

borrower details displayed

existing loans displayed

existing fine message displayed if relevant

overdue message displayed if relevant

atLoanLimit message displayed if relevant

borrowing restricted error message displayed

BorrowBookCTL state == ***BORROWING\_RESTRICTED***

**(member does not exists)**

Main menu is displayed

Member not found message displayed.

Data required:

cardSwiped(borrwerId)