# Library

# Use-Case: Swipe Borrower Card

## Brief Description

Allows the user to swipe their borrowing card and commence scanning of books.

## Actors

* 1. Borrower

## Pre-Conditions

* 1. The program has been started and initialised.
  2. The “Borrow” button has been pressed.
  3. The “Swipe” panel is active.

## Normal Flow

The use case begins when the “Borrow” button has been pressed.

|  |  |
| --- | --- |
| Actor | System |
| 1 Borrower scans their card or enters their number and presses “Swipe Card” | 2 The system enables the “Scanning” panel |
|  | 3 The Complete and Cancel buttons are enabled. |
|  | 4 The Borrower card panel is disabled. |
|  | 5 The Book scanner is enabled. |
|  | 6 Borrower details are displayed. |
|  | 7 Existing loans are displayed. |
|  | 8 Existing fine message displayed if relevant. |

The use case ends.

## Alternate Flows

* 1. When the borrower is on restrictions

The use case begins when the “Borrow” button has been pressed.

|  |  |
| --- | --- |
| Actor | System |
| 1 Borrower scans their card or enters their number and presses “Swipe Card” | 2 The system enables the “Restricted” panel. |
|  | 3 The Cancel button is enabled. |
|  | 4 The Borrower card panel is disabled. |
|  | 5 The Book scanner is disabled. |
|  | 6 Borrower details are displayed. |
|  | 7 Existing loans are displayed. |
|  | 8 Existing fine message displayed if relevant. |
|  | 9 Overdue message displayed if relevant. |
|  | 10 At loan limit message displayed if relevant. |
|  | 11 Borrowing restricted error message displayed. |

The use case ends.

## Subflows

* 1. None

## Key Scenarios

* 1. Member exists and not restricted.
  2. Member exists and is restricted.

## Post-conditions

* 1. Member exists and not restricted
     1. The system enables the “Scanning” panel
     2. The Complete and Cancel buttons are enabled.
     3. The Borrower card panel is disabled.
     4. The Book scanner is enabled.
     5. Borrower details are displayed.
     6. Existing loans are displayed.
     7. Existing fine message displayed if relevant.
  2. Member exists and restricted
     1. The system enables the “Restricted” panel.
     2. The Cancel button is enabled.
     3. The Borrower card panel is disabled.
     4. The Book scanner is disabled.
     5. Borrower details are displayed.
     6. Existing loans are displayed.
     7. Existing fine message displayed if relevant.
     8. Overdue message displayed if relevant.
     9. At loan limit message displayed if relevant.
     10. Borrowing restricted error message displayed.

## Special Requirements

* 1. None