# Scenario #: Borrowing a book

## Scenario Description

* Describe the intent of the test scenario

The scenario of this case is when a member swipe a card with id and scan book and borrow the book on loan.

* Test scenarios (aka test set or test suite) are a set of test scripts that cover a specific functional area, business process, use case, etc.…

The functionality of this program is when a member swipe card using member id then the id is search in member collection if match then check the current status of loan and then a book barcode is scan and book is searched in the collection of books then final increment the loan on the member. This is the functionality for borrowing a book

* For example, a given test scenario might cover an order placed on a web site by an existing customer (another scenario might cover orders placed by new customers) – test scripts within the scenario might cover a single item order, a multiple items order, quantity not on hand exception, etc.…

## Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| Version # | Date | Author | Description |
| 0.1 | 01/09/2016 | Author Name | Initial Draft |
| 1.0 | 01/09/2016 | Author Name | Initial Version |

## Test Scripts

The following scripts will cover this scenario:

* 1.1 Test Script Name-bookDAOTest
* 1.2 Test Script Name-MemberDAOTest
* 1.3 Test Script Name-LoanDAOTest

## Use Case

* List the Use Case covered by this Test Scenario – limit the test scenario to just one Use Case

Use case are –book, member and loan class with their interfaces and daos.

## Test Components/Requirements

This test scenario covers the following high-level test requirements (see scripts below for specific requirements covered by each test script):

* BookDAOTest
* MemberDAOTest
* LoanDAOTest

## Script #: Script Name

### Script Description

* Test scripts (aka test procedures) list the specific steps a tester will take, along with the expected results

1.booktest

2.membertest

3.loantest

4.test with their associated DAO’s and entity and interfaces

### Testing Requirements

This test script covers the following specific testing requirements:

* List all requirements covered by this script – this ensures traceability across all phases of the project

1. objects of book, bookDAO.

2. objects of member, MemberDAO.

3. objects of loan, LoanDAO.

### Setup

* List of all required steps that should be completed prior to executing this script
* Examples might include required test data, other scripts that should be run before this one, initial states that should be set, specific required equipment/software, etc…

### Teardown

* List all steps that should be taken after the test case is executed

### Script Steps

| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| --- | --- | --- | --- |
| 1 | list of loan | [loan1, loan2,] | pass |
| 2 | find loan by book's title | Book with the title in input | pass |
| 3 | find loan by borrower | Book with the borrower in input | pass |
| 4 | find loan by book | book | pass |
| 5 | find loan by id | Loan associated with id | pass |

### Test Execution

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date/Time | | Tester | | Test ID | | Test Phase | | Status | |
| 30/9/16 06:01 pm | | Aman Kumar | | 1 | | System Cycle 1 | | Passed | |
| 30/9/06 06:05 pm | | Aman Kumar | | 2 | | System Cycle 2 | | Passed | |