# Scenario #: ADD and Repair Book

## Scenario Description

In the library system, the detail of each and every book must be recorded by the librarian. The detail of the book such as Book name, Author of the book, issue date, the number of books available in the library and the condition of the book must be known by the librarian before issuing the book to any member of the library. In the case of damaged return book, the fine should claim to the member. In the library system record, complete detail of member and the book should be recorded and updated by the librarian.

## Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| Version # | Date | Author | Description |
| 0.1 | 11/09/2016 |  | The librarian must know the detail of the book or clearly identify the record available in the system. |
| 0.2 | 11/09/2016 |  | The member of the library must take responsibility about the borrowed book. The borrowed book must not be damaged. In the case of any missing content found in the book, he/she should pay the fine. |

## Test Scripts

The following scripts will cover this scenario:

* 0.1 Append Book
* 0.2 Damaged Book

## Use Case

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Actors** | **Use Cases** |
| 1. | Librarian | Add Book |
| 2. | Borrower | Repair Book |

## Test Components/Requirements

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

1. Append Book: - The detail of the book must available in the library record before issued to the member.
2. Damaged Book: - In the case of any damage found from the book, the member should pay the fine.

## Script #: Script Name

### Script Description

### Test #1- ‘Append.'

| **Test Name** | < Append> |
| --- | --- |
| **Use Case Tested:** | < Append Book > |
| **Test Description:** | 1. Name and author of the book must be available- “TRUE.” 2. Book Publication name not available- “FALSE.” |
| **Pre-conditions** | 1. Name and Publication of the book available- “TRUE.” 2. Book unique ID must be available for borrow- “TRUE.” 3. Book complete Detail available in the system- “TRUE.” |
| **Post-conditions** | 1. Number of Books available in the library- “TRUE.” |

### Test #2- ‘Damaged Book.'

| **Test Name** | < Damage> |
| --- | --- |
| **Use Case Tested:** | < Damaged Book > |
| **Test Description:** | For the library member, the following criteria has to be followed for returned the book:   1. Damage book- “FALSE.” 2. Undamaged book- “TRUE.” |
| **Pre-conditions** | 1. Book must not be damaged- “TRUE.” 2. ID number- “TRUE.” |
| **Post-conditions** | 1. Damaged book- “FALSE.” 2. Pay the fine in the case of book damaged- “TRUE.” |

### Setup

The test has been done on two test cases i.e. Append Book (Test ID 0.1) and Damaged Book (Test ID 0.2). The following set up is covered by these two test cases:

1. Update the detail of the book.
2. The record of the book available in the library system.
3. Check the condition of the book.
4. In the case of damaged book found to return, the fine should be paid by the member.
5. The member should have borrowing card.

### Teardown

Here is the list of all those which is done after the test case is executed:

1. Add and modify the detail of the book.
2. The damaged book not allowed to be returned by the member without paid fine.
3. Record of the book and member should be in the library system.

### Script Steps

| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| --- | --- | --- | --- |
| 1 | Name of the book available | True | Pass |
| 2 | Book issued on ID number | True | Pass |
| 3 | Author name of the book | True | Pass |
| 4 | Undamaged Book | True | Fail |
| 5 | Pay fine | True | Pass |
| 6 | Record of the member | True | Pass |
| 7 | Issued detail of the book | True | Pass |

### Test Execution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date/Time | Tester | Test ID | Test Phase | Status |
| 9/11/16 11:35 am |  | 0.1 | System Cycle 1 | Passed |
| 9/14/16 3:45 pm |  | 0.2 | System Cycle 2 | Passed |