# Scenario 1: Bug Test – No Fine for one day overdue

## Scenario Description

* To have reliable replication of the bug (Incorrect calculation of fine for one day overdue book)
* Test both a manual walkthrough, and an automated script
* Test the return a book, one day after the duedate of its loan.

## Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| Version # | Date | Author | Description |
| 0.1 | 17/10/2020 | Timothy Pickard | Draft |
| 1.0 | 18/10/2020 | Timothy Pickard | Final Version |

## Test Scripts

The following scripts will cover this scenario:

* 1.0 return
* 1.1 returnBookAutomatedTest

## Use Case

* Return a book that is one day overdue

## Test Components/Requirements

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

* That a book exists in the library
* That a patron exists in the library
* That book has been borrowed

## User Groups

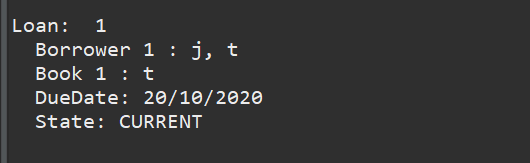
* Librarian
* Developer

## Script #: 1.0 Return

### Script Description

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

### Setup

* Create a book, title t, author a, cNo c1
* Create a patron, name t, last j. (dummy email and phone number)
* Take out loan with those book details (with current date on library)
* Result of the following should be 

### Teardown

* Answer the question regarding the damage of the book.
* Delete Calendar.obj file after done, to stop dates being messed up.

### Script Steps

| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| --- | --- | --- | --- |
| 1 | Load Main class | Main menu for library system should load | Pass |
| 2 | Increment Date by 3 days | The date should show 1 day ahead of the due date | Pass |
| 3 | Type “r” into the main menu screen | The return book screen should be listed. | Pass |
| 4 | Type in the book number. | The scanning operation should complete | Pass |
| 5 | A fine should be imposed for overdue | Fine should be greater than 0 after returning the book. | Fail |

### Test Execution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date/Time | Tester | Test ID | Test Phase | Status |
| 18/10/2020 2:52pm | Timothy Pickard | TimTest1 | System Cycle 1 | Failed (See results) |
| 18/10/2020 | TimothyPickard | TimAutoTest1 | System Cycle 1 | Failed (See results) |

## Results

## Script #: 1.1 returnBookAutomatedTest

### Script Description

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

### Setup

* Create Calendar, Library and add patron and book

### Teardown

* None

### Script Steps

| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| --- | --- | --- | --- |
| 1 | Load TestReturnBookBug | The Fine should show $1.00 | Fail |

### Test Execution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date/Time | Tester | Test ID | Test Phase | Status |
| 18/10/2020 2:52pm | Timothy Pickard | TimTest1 | System Cycle 1 | Failed (See results) |
| 18/10/2020 10:52pm | Timothy Pickard | TimAutoTest1 | System Cycle 1 | Failed (See results) |

From automated test:

