# Scenario 1: Incorrect calculation of fines

## Scenario Description

* This scenario covers the bug where if a borrowed book becomes overdue by one day no fine is imposed.

## Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| Version # | Date | Author | Description |
| 0.1 | 01/01/2020 | Joel | Initial Draft |
| 1.0 | 01/10/2020 | Joel | Initial Version |

## Test Scripts

The following scripts will cover this scenario:

* 1.1 Book becomes overdue by one day

## Use Case

* The use case covered by this test scenario is when the patron wants to borrow a book, therefore it is specified as the ‘borrow book’ use case.
* The use case covered by this scenario is when the patron has borrowed a book and it has become overdue by one day.

## Test Components/Requirements

* The library system should have access to the database for date management
* All hardware requirements have been met such as barcode scanners, card readers etc.
* The system has a stable network connection.

## User Groups

* patron

## Script 1: Book becomes overdue by one day

### Script Description

* This script will test the behaviour of the system when a loan of a book becomes overdue by one day. The expected results are that the patron should be fined for having an overdue loan.

### Testing Requirements

This test script covers the following specific testing requirements:

* Patron is a registered library user
* Patron has a valid library card for the system

### Setup

* Patron should have an overdue loan by one day.

### Teardown

* system exit
* All database data wiped

### Script Steps

|  |  |  |  |
| --- | --- | --- | --- |
| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| 1 | user enters ‘r’ to return book | System asks user to scan book | P |
| 2 | user scans book | System displays overdue loan and issues fine | F |

### Test Execution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date/Time | Tester | Test ID | Test Phase | Status |
| 29/09/2020 12 pm | Joel | 1 | System Cycle 1 | Succeeded |