# Scenario 1 – Bug 1

## Scenario Description

* When a patron comes to pay an overdue fine, the amount they are charged is greater than the overdue fine amount.

## Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| Version # | Date | Author | Description |
| 0.1 | 15/10/2022 | HC | Initial Draft |
| 1.0 | 15/10/2022 | HC | Initial Version |

## Test Scripts

The following scripts will cover this scenario:

* 1.1 Bug Replication

## Use Case

* Pay fine

## Test Conditions

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

* Need an active patron
* Need an active book
* Need an active loan associated with patron for book
* Increment date so that the loan is 2 days overdue

## Script 1: Bug Replication

### Script Description

* Pay fine

### Test Objective

* When a book is returned overdue by two days, a fine of $2.00 should be imposed on the patron.

### Setup

* Create a patron with no borrowing restrictions
* Create a book that’s available for borrowing
* Make the patron borrow the book
* Increment number of days by 4 days

### Test Data

| **Data** | **Value** |
| --- | --- |
| Patron | Choice : AP  Enter first name: j  Enter last name: t  Enter email address: jt@email.com  Enter phone number: 0401234567 |
| Item | Choice : AI  Select item type:  Choice : B  Enter author: author  Enter title: title  Enter call number: 123 |

### Teardown

* Reset patron so that there are no fines or loans
* Reset book to available for borrowing
* Remove library .obj file and rebuild the library from scratch.

### Script Steps

| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| --- | --- | --- | --- |
| 1 | Enter ‘B’ to borrow the book Enter ‘1’ for patron card  Enter ‘1’ for scan item  Press enter to complete scan  Commit loans ‘y’ | Prompts to borrow book title ‘1’ for Patron ‘1’.  Book ‘1’ now borrowed by Patron ‘1’. | Pass (figure 1) |
| 2 | Enter ‘T’ to increment the date by 4 days. | Prompt to increment date.  Date increased by 4 days | Pass  (figure 2) |
| 3 | Enter ‘L’ to view current loans | Displays borrower 1 has a book OVER\_DUE and owes a $2.00 fine | Pass (figure 2) |
| 4 | Enter ‘R’ to return item  Scan item ‘1’  Is Item damaged ‘n’ | Prompts to return the item  Displays the borrower 1 has an overdue fine of $2.00 | Pass  (Figure 3) |
| 5 | Enter ‘P’ to pay fine  Swipe patron card ‘1’ | Prompts to pay overdue fine  Displays fine for borrower 1 of $2.00 | Fail (figure 4) |

### Test Execution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date/Time | Tester | Test ID | Test Phase | Status |
| 15/10/2022 3:50PM | HC | HC1 | System Cycle 1 | Failed |

Text

Description automatically generatedText

Description automatically generatedA picture containing calendar

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Figure 3

Figure 2

Figure 1

Figure 4