# Scenario 2 – Bug 1

## Scenario Description

* When a patron reaches the loan limit in one session, they can still borrow more items.

## 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

* Borrow an Item

## 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 5 items

## Script 1: Bug Replication

### Script Description

* Borrow item when loan limit reached

### Test Objective

* When a patron attempts to borrow multiple items, a loan limit of

### Setup

* Create a patron with no borrowing restrictions
* Create 5 items that are available for borrowing (eg, 1 book, 1 DVD, 1 VHS, 1 CD and 1 Audio cassette) that’s available for borrowing

### 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** |
| Item | Choice :**AI**  Choice : **D**  Enter author: **1**  Enter title: **2**  Enter call number: **3** |
| Item | Choice :**AI**  Choice : **V**  Enter author: **1**  Enter title: **2**  Enter call number: **3** |
| Item | Choice :**AI**  Choice : **V**  Enter author: **1**  Enter title: **2**  Enter call number: **3** |
| Item | Choice :**AI**  Choice : **A**  Enter author: **1**  Enter title: **2**  Enter call number: **3** |

### Teardown

* Reset patron so that there are no fines or loans
* Reset items 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 an item  Enter ‘1’ for patron card  Enter ‘1’ for scan item | Displays Item 1 details  Prompts to scan another item | Pass (figure 1) |
| 2 | Enter ‘2’ for scan item | Displays Item 1 and 2 details  Prompts ‘loan limit reached’ | Fail  (figure 2) |
| 3 | Enter ‘3’ for scan item | Should not be able to borrow pass 2nd item | Fail  (figure 3) |
| 4 | Commit loans: ‘Y’ | Borrowing completed | Pass  (Figure 4) |
| 5 | Enter ‘B’ to borrow an item  Enter ‘1’ for patron card  Enter ‘1’ for scan item | Should not allow item to be borrowed as its past the borrow limit | Fail (figure 5) |
| 6 | Enter ‘LP’ | Displays patron 1 with all current loans | Pass  (figure 6) |

### 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 generated

Figure 2

Figure 1

**Text

Description automatically generated**

**Text

Description automatically generated   
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
Text

Description automatically generatedText

Description automatically generated**

Figure 3

Figure 4

Figure 6

Figure 5