1. As a Librarian, I want to add an item to the library so that a given user can borrow it.

Acceptance Criteria

- If item doesn't exist in system it, it is added to the library.
 - addItemIfDoesntExist
 - If title doesn't exist, librarian is prompted to add title to the database.
 - addItemTitleDoesntExist
- 2. As a Librarian, I want to add a title to the database, so that it can be referenced when adding a book.

Acceptance Criteria

- If title doesn't exist, it is added to the database.
 - addsTitlelfDoesNotExist
- If matching title information exists, title will not be added.
 - matchingTitleDoesntAdd
- 3. As a Librarian, I want to add a user so that I will be able to keep track of the items that they withdrew.

Acceptance Criteria

- If user doesn't exist, user is added to the system.
 - addUserTest
- If user does exist, librarian won't be allowed to add them.
 - addAlreadyExistingUserTest
- 4. As a Librarian, I want to be able to lend books, so that any given user can borrow items from the library.

Acceptance Criteria

- If user is *allowed*, the loan is created to represent action of borrowing.
 - borrowltemlfUserlsAllowed
- 5. As a User, I want to be able to pay the fine that I own, so that my privileges won't be revoked.

Acceptance Criteria

- If user privilege is revoked, the user's privileges is returned.
 - userPrivilege
- User must be allowed to borrow books again.
 - userAllowedToBorrowItemsAfterPayingFine
- 6. As a Librarian, I want to be able to remove an item from the library, so that no one can withdraw it.

Acceptance Criteria

- Item cannot be accessed upon removal
 - itemAccessAfterRemoval
- If item is being loaned, the librarian will not be allowed to remove.
 - itemCannotBeRemovedWhileLoaned
- 7. As a Librarian, I want to be able to remove a title from database, so that all items associated with it can no longer be withdrawn.

Acceptance Criteria

- All items associated with title, by ISBN, can no longer be loaned.
 - deleteTitleAttemptAccessAssociatedItems
- If some of the title's item instances are being loaned out, you're not allowed to remove.
 - deleteTitleWhileInstanceLoanedOut
- 8. As a Librarian, I want to remove a user from the system, so that they can not withdraw any more items.

Acceptance Criteria

- If user has an outstanding loan, they cannot be removed from the system.
 - attemptRemoveUserWhenOutstandingLoanExists
- If the user is free of loans, they can successfully be removed.
 - canRemoveUserSuccessfully
- 9. As a Librarian, I want to renew a withdrawn item, so that a user can keep the book for a longer amount of time.

Acceptance Criteria

- If user has outstanding fee, loan cannot be renewed.
 - userHasOutstandingFeeLoanCannotBeRenewed
- If loan has already been renewed, the librarian is not allowed to renew it.
 - cantRenewAlreadyRenewedLoan
- 10. As a Librarian, I want to return a user's item for them, so that they won't have to.

Acceptance Criteria

- If loan has been overdue for more than three days, the user tied to the loan will have privileges revoked.
 - revokesUserPrivilegesForOverdueLoan
 - If loan is not overdue, loan entity is destroyed from list.
 - deletesLoanCorrectly

Logs

```
2017-10-10 16:14:05 INFO String:31 - =======
@2017-10-10 16:14:05 INFO String:33 - =======
@2017-10-10\ 16:14:05\ INFO\ String:52\ -\ Operation: Create\ New\ User; User\ Info: [Zhibo@carleton.ca, Zhix\ bo]; State: Success the success of the control of the cont
@2017-10-10 16:14:05 INFO String:52 - Operation:Create New User;User Info:[Yu@carleton.ca,Yu];State:Success
@2017-10-10\ 16:14:05\ INFO\ String: 52-Operation: Create\ New\ User; User\ Info: [Michelle@carleton.ca, Michelle]; State: Success the success of the control of the cont
@2017-10-10 16:14:05 INFO String:52 - Operation:Create New User;User Info:[Kevin@carleton.ca,Kevin];State:Success
@2017-10-10 16:14:05 INFO String:52 - Operation:Create New User;User Info:[Sun@carleton.ca,Sun];State:Success
@2017-10-10 16:14:05 INFO String:35 - Operation:Initialize UserTable; UserTable: [[0, Zhibo@carleton.ca, Zhix bo], [1, Yu@carleton.ca, Yu], [2,
\label{lem:cardeton.ca} Michelle @ carleton.ca, Michelle ], [3, Kevin @ carleton.ca, Kevin], [4, Sun @ carleton.ca, Sun]]
@2017-10-10 16:14:05 INFO String:52 - Operation:Create New User;User Info:[test-user-987654321,pass];State:Success
@2017-10-10 16:14:05 INFO String:31 - Operation:Initialize TitleTable;TitleTable: [[9781442668584,By the grace of God],
[9781442616899,Dante's lyric poetry], [9781442667181,Courtesy lost], [9781611687910,Writing for justice], [9781317594277,The act in context]]
@2017-10-10 16:14:05 INFO String:58 - Operation:Create New Item;Item Info:[9781442668584,0];State:Success
@2017-10-10 16:14:05 INFO String:58 - Operation:Create New Item;Item Info:[9781442616899,0];State:Success
@2017-10-10 16:14:05 INFO String:58 - Operation:Create New Item;Item Info:[9781442667181,0];State:Success
@2017-10-10 16:14:05 INFO String:58 - Operation:Create New Item;Item Info:[9781611687910,0];State:Success
@2017-10-10 16:14:05 INFO String:37 - Operation:Initialize ItemTable; [main.java.server.io.model.ItemEntity@233c0b17,
main.java.server.io.model.ltem Entity @63d4e2ba, main.java.server.io.model.ltem Entity @7bb11784, main.java.server.io.model.ltem Enti
main.java.server.io.model.ItemEntity@33a10788]
@2017\text{-}10\text{-}10\text{ }16\text{:}14\text{:}05\text{ }INFO\text{ }String:58\text{ - }Operation:Create New Item;Item Info:} [9781442668584,1]; State:Success \\
@2017-10-10 16:14:05 INFO String:27 - Operation:Initialize LoanTable;LoanTable: [[0, 9781442668584, 1, 2017-10-10 04:14:05, 0]]
@2017\text{-}10\text{-}10\text{ }16\text{:}14\text{:}05\text{ }INFO\text{ }String:94\text{ - }Operation:Apply OutStanding Fee;Fee Info:[0,0];State:Success $(0,0)$ and $(0,0)$ are also considered as $(0,0)$ are also considered as $(0,0)$ and $(0,0)$ are also considered as $(0,0)$ are also conside
@2017-10-10 16:14:05 INFO String:34 - Operation:Initialize FeeTable;FeeTable: [main.java.server.io.model.FeeEntity@28f67ac7]
@2017-10-10\ 16:14:05\ INFO\ String:68-Operation: Borrow\ Item; Loan\ Info: [5,9781442668584,0, Tue\ Oct\ 10\ 16:14:05\ EDT\ 2017]; State: Successive of the properties of t
@2017-10-10 16:14:05 INFO String:159 - Operation:Return Item;Loan Info:[5,9781442668584,0];State:Success
@2017-10-10 16:14:05 INFO String:100 - Operation:Apply OutStanding Fee;Fee Info:[5,5];State:Success
@2017-10-10 16:14:05 INFO String:73 - Operation:Borrow Item;Loan Info:[5,9781442668584,1,Tue Oct 10 16:14:05 EDT
2017];State:Fail;Reason:Outstanding Fee Exists.
@2017-10-10 16:14:05 INFO String:31 - =======
                                                                                                                            Acceptance: userAllowedToBorrowItemsAfterPayingFine
@2017-10-10 16:14:05 INFO String:32 -
@2017-10-10 16:14:05 INFO String:33 - =======
@2017-10-10 16:14:05 INFO String:52 - Operation:Create New User;User Info:[test-user-99999,pass];State:Success
@2017-10-10 16:14:05 INFO String:68 - Operation:Borrow Item;Loan Info:[6,9781442668584,0,Tue Oct 10 16:14:05 EDT 2017];State:Success
@2017-10-10 16:14:05 INFO String:159 - Operation:Return Item;Loan Info:[6,9781442668584,0];State:Success
@2017\text{-}10\text{-}10\text{ }16\text{:}14\text{:}05\text{ }INFO\text{ }String\text{:}100\text{ - }Operation\text{:}Apply OutStanding Fee;} Fee Info:[6,5]; State:Success
@2017-10-10 16:14:05 INFO String:135 - Operation:Pay Fine;Fee Info:[6,5];State:Success
@2017-10-10\ 16:14:05\ INFO\ String:68\ -\ Operation: Borrow\ Item; Loan\ Info: [6,9781442668584,0, Tue\ Oct\ 10\ 16:14:05\ EDT\ 2017]; State: Success
@2017-10-10 16:14:05 INFO String:33 - =======
@2017-10-10 16:14:05 INFO String:43 - Operation:Create New Title;Title Info:[9781442616899,Dante's lyric poetry];State:Fail;Reason:The
ISBN already existed.
@2017-10-10 16:14:05 INFO String:31 - =======
     2017-10-10 16:14:05 INFO String:32 - Acceptance: addsTitleIfDoesNotExist
@2017-10-10 16:14:05 INFO String:33 - ========
@2017-10-10 16:14:05 INFO String:49 - Operation:Create New Title; Title Info:[1357908641395,lol]; State:Success
@2017-10-10 16:14:05 INFO String:31 - =======
@2017-10-10 16:14:05 INFO String:32 - Acceptance: deleteTitleAttemptAccessAssociatedItems
@2017-10-10 16:14:05 INFO String:33 - ========
@2017\text{-}10\text{-}10\text{ }16\text{:}14\text{:}05\text{ }INFO\text{ }String\text{:}52\text{-}Operation\text{:}Create New User;User Info:[johnny,pass];State:Success }
@2017-10-10 16:14:05 INFO String:49 - Operation:Create New Title; Title Info: [999999999999, Johnny eats too many
appleseeds];State:Success
@2017-10-10 16:14:05 INFO String:58 - Operation:Create New Item;Item Info:[9999999999999,0];State:Success
@2017-10-10 16:14:05 INFO String:58 - Operation:Borrow Item;Loan Info:[7,999999999999,0,Tue Oct 10 16:14:05 EDT
2017];State:Fail;Reason:Invalid ISBN.
@2017-10-10 16:14:05 INFO String:31 - =======
@2017-10-10 16:14:05 INFO String:32 - Acceptance: deleteTitleWhileInstanceLoanedOut
@2017-10-10 16:14:05 INFO String:33 - ========
@2017-10-10 16:14:05 INFO String:52 - Operation:Create New User;User Info:[johnny-1,pass];State:Success
@2017-10-10\ 16:14:05\ INFO\ String: 49-Operation: Create\ New\ Title; Title\ Info: [999999999998, Johnny\ eats\ not\ enough\ and\ the content of the cont
appleseeds];State:Success
@2017\text{-}10\text{-}10\text{ }16\text{:}14\text{:}05\text{ }INFO\text{ }String:58\text{ - }Operation:Create New Item;Item Info:} [999999999999999,0]; State:Success $(100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100) + (100
@2017-10-10 16:14:05 INFO String:68 - Operation:Borrow Item;Loan Info:[8,99999999999,0,Tue Oct 10 16:14:05 EDT 2017];State:Success
@2017-10-10 16:14:05 INFO String:52 - Operation:Create New User;User Info:[test-user-test,password];State:Success
@2017-10-10 16:14:05 INFO String:49 - Operation:Create New Title;Title Info:[666666666666666,Devils book];State:Success
@2017-10-10 16:14:05 INFO String:58 - Operation:Create New Item;Item Info:[6666666666666,0];State:Success
@2017-10-10 16:14:05 INFO String:68 - Operation:Borrow Item;Loan Info:[9,666666666666,0,Tue Oct 10 16:14:05 EDT 2017];State:Success
```

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@2017-10-10 16:14:05 INFO String:159 - Operation:Return Item;Loan Info:[9,66666666666666,0];State:Success
@2017-10-10 16:14:05 INFO String:100 - Operation:Apply OutStanding Fee;Fee Info:[9,3];State:Success
@2017-10-10 16:14:05 INFO String:58 - Operation:Create New Item;Item Info:[666666666666666,1];State:Success
@2017-10-10 16:14:05 INFO String:73 - Operation:Borrow Item;Loan Info:[9,66666666666666,1,Tue Oct 10 16:14:05 EDT
2017];State:Fail;Reason:Outstanding Fee Exists.
@2017-10-10\ 16:14:05\ INFO\ String:52-Operation: Create\ New\ User; User\ Info: [test-user-test-2, pass]; State: Success
@2017-10-10 16:14:05 INFO String:49 - Operation:Create New Title; Title Info:[6666666666665,Devils book: 2]; State: Success
@2017-10-10 16:14:05 INFO String:58 - Operation:Create New Item;Item Info:[6666666666665,0];State:Success
@2017-10-10 16:14:05 INFO String:68 - Operation:Borrow Item;Loan Info:[10,666666666665,0,Tue Oct 10 16:14:05 EDT 2017];State:Success
@2017-10-10 16:14:06 INFO String:159 - Operation:Return Item;Loan Info:[10,66666666666665,0];State:Success
@2017-10-10 16:14:06 INFO String:33 - =======
@2017-10-10 16:14:06 INFO String:52 - Operation:Create New User;User Info:[test-user-12345,test-password-12345];State:Success
@2017-10-10 16:14:06 INFO String:31 - ========
@2017-10-10 16:14:06 INFO String:33 - ========
@2017-10-10 16:14:06 INFO String:52 - Operation:Create New User;User Info:[test-user-1234,test-password-1234];State:Success
@2017-10-10 16:14:06 INFO String:46 - Operation:Create New User;User Info:[test-user-1234,test-password-1234];State:Fail;Reason:The User
@2017-10-10 16:14:06 INFO String:31 - =======
@2017-10-10 16:14:06 INFO String:32 - Acceptance: itemAccessAfterRemoval
@2017-10-10 16:14:06 INFO String:33 - ========
@2017-10-10 16:14:06 INFO String:58 - Operation:Create New Item;Item Info:[9781317594277,0];State:Success
@2017-10-10 16:14:06 INFO String:92 - Operation:Delete Item;Item Info:[9781317594277,N/A];State:Success
@2017-10-10 16:14:06 INFO String:61 - Operation:Borrow Item;Loan Info:[0,9781317594277,0,Tue Oct 10 16:14:06 EDT
2017];State:Fail;Reason:Invalid Copynumber.
@2017-10-10 16:14:06 INFO String:31 - =======
@2017-10-10 16:14:06 INFO String:33 - ========
@2017-10-10\ 16:14:06\ INFO\ String:58-Operation: Create\ New\ Item; Item\ Info: [9781317594277,0]; State: Success and the success of the s
@2017-10-10 16:14:06 INFO String:52 - Operation:Create New User;User Info:[test-user-666,pass];State:Success
@2017-10-10 16:14:06 INFO String:68 - Operation:Borrow Item;Loan Info:[13,9781317594277,0,Tue Oct 10 16:14:06 EDT 2017];State:Success
@2017-10-10 16:14:06 INFO String:88 - Operation:Delete Item;Item Info:[9781317594277,0];State:Fail;Reason:The item is currently on Ioan.
@2017-10-10 16:14:06 INFO String:31 - =======
@2017-10-10 16:14:06 INFO String:32 - Acceptance: addItemTitleDoesntExist
@2017-10-10 16:14:06 INFO String:33 - =======
@2017-10-10 16:14:06 INFO String:46 - Operation:Create New Item;Item Info:[1234567891035,N/A];State:Fail;Reason:No such ISBN existed.
@2017-10-10 16:14:06 INFO String:49 - Operation:Create New Title;Title Info:[1234567891035,Timothy Goes To Hell];State:Success
@2017-10-10 16:14:06 INFO String:31 - =======
                                                     Acceptance: addItemIfDoesntExist
                                    String:32
@2017-10-10 16:14:06 INFO String:33 - =======
@2017-10-10 16:14:06 INFO String:58 - Operation:Create New Item;Item Info:[9781442668584,2];State:Success
@2017-10-10 16:14:06 INFO String:31 - =======
@2017-10-10 16:14:06 INFO String:32 - Acceptance: userHasOutstandingFeeLoanCannotBeRenewed
@2017-10-10 16:14:06 INFO String:33 - =======
@2017-10-10 16:14:06 INFO String:52 - Operation:Create New User;User Info:[tom-1,pass];State:Success
@2017-10-10 16:14:06 INFO String:49 - Operation:Create New Title;Title Info:[1111111111111111,xDDD];State:Success
@2017-10-10 16:14:06 INFO String:58 - Operation:Create New Item;Item Info:[11111111111111,0];State:Success
@2017-10-10\ 16:14:06\ INFO\ String:68 - Operation:Borrow Item;Loan Info:[14,1111111111111,0,Tue Oct 10 16:14:06 EDT 2017];State:Success
@2017-10-10 16:14:06 INFO String:159 - Operation:Return Item;Loan Info:[14,1111111111111,0];State:Success
@2017-10-10 16:14:06 INFO String:100 - Operation:Apply OutStanding Fee;Fee Info:[14,95];State:Success
@2017-10-10 16:14:06 INFO String:110 - Operation:Renew Item;Loan Info:[14,11111111111111,0,Tue Oct 10 16:14:06 EDT
2017];State:Fail;Reason:Outstanding Fee Exists.
@2017-10-10 16:14:06 INFO String:31 - =======
@2017-10-10 16:14:06 INFO String:32 - Acceptance: cantRenewAlreadyRenewedLoan
@2017-10-10 16:14:06 INFO String:33 - ========
@2017-10-10 16:14:06 INFO String:52 - Operation:Create New User;User Info:[tom-2,pass];State:Success
@2017-10-10 16:14:06 INFO String:49 - Operation:Create New Title; Title Info:[111111111111112,tom-2: The return of the tom]; State:Success
@2017-10-10 16:14:06 INFO String:58 - Operation:Create New Item;Item Info:[11111111111112,0];State:Success
@2017-10-10 16:14:06 INFO String:68 - Operation:Borrow Item;Loan Info:[15,1111111111112,0,Tue Oct 10 16:14:06 EDT 2017];State:Success
@2017-10-10 16:14:06 INFO String:139 - Operation:Renew Item;Loan Info:[15,1111111111112,0,Tue Oct 10 16:14:06 EDT
2017];State:Success
@2017-10-10 16:14:06 INFO String:134 - Operation:Renew Item;Loan Info:[15,1111111111112,0,Tue Oct 10 16:14:06 EDT
2017];State:Fail;Reason:Renewed Item More Than Once for the Same Loan.
@2017-10-10 16:14:06 INFO String:31 - =======
@2017-10-10 16:14:06 INFO String:32 - Acceptance: attemptRemoveUserWhenOutstandingLoanExists
@2017-10-10 16:14:06 INFO String:33 - ========
@2017-10-10 16:14:06 INFO String:52 - Operation:Create New User;User Info:[bob-1,pass];State:Success
@2017-10-10 16:14:06 INFO String:49 - Operation:Create New Title;Title Info:[99999999997,bob-1 goes to school];State:Success
@2017-10-10 16:14:06 INFO String:58 - Operation:Create New Item;Item Info:[999999999997,0];State:Success
```

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@2017-10-10 16:14:06 INFO String:68 - Operation:Borrow Item;Loan Info:[16,9999999997,0,Tue Oct 10 16:14:06 EDT 2017];State:Success
@2017-10-10 16:14:06 INFO String:31 - =======
@2017-10-10 16:14:06 INFO String:32 - Acceptance: canRemoveUserSuccessfully
@2017-10-10 16:14:06 INFO String:33 - =======
@2017-10-10 16:14:06 INFO String:52 - Operation:Create New User;User Info:[bob-2,pass];State:Success
@2017-10-10 16:14:06 INFO String:31 - =======
@2017-10-10 16:14:06 INFO String:32 - Acceptance: borrowItemIfUserIsAllowed
@2017-10-10 16:14:06 INFO String:33 - ========
@2017-10-10 16:14:06 INFO String:52 - Operation:Create New User;User Info:[test-user-987,test-password-987];State:Success
@2017-10-10 16:14:06 INFO String:58 - Operation:Create New Item;Item Info:[9781442668584,3];State:Success
@2017-10-10 16:14:06 INFO String:68 - Operation:Borrow Item;Loan Info:[18,9781442668584,0,Tue Oct 10 16:14:06 EDT 2017];State:Success
@2017-10-10 16:37:17 INFO String:31 - ========
@2017-10-10 16:37:17 INFO String:32 - Acceptance: deletesLoanCorrectly
@2017-10-10 16:37:17 INFO String:33 - ========
@2017-10-10 16:37:17 INFO String:52 - Operation:Create New User;User Info:[test-user-test-2,pass];State:Success
@2017-10-10 16:37:17 INFO String:49 - Operation:Create New Title:Title Info:[66666666665,Devils book: 2]:State:Success
@2017-10-10 16:37:17 INFO String:58 - Operation:Create New Item;Item Info:[6666666666665,0];State:Success
@2017-10-10 16:37:17 INFO String:68 - Operation:Borrow Item;Loan Info;[10,6666666665,0,Tue Oct 10 16:37:17 EDT 2017];State:Success
@2017-10-10 16:37:17 INFO String:159 - Operation:Return Item;Loan Info:[10,666666666665,0];State:Success
@2017-10-10 16:38:04 INFO String:31 - ========
@2017-10-10 16:38:04 INFO String:32 - Acceptance: revokesUserPrivilegesForOverdueLoan
@2017-10-10 16:38:04 INFO String:33 - ========
@2017-10-10 16:38:05 INFO String:52 - Operation:Create New User;User Info:[Zhibo@carleton.ca,Zhix bo];State:Success
@2017-10-10 16:38:05 INFO String:52 - Operation:Create New User;User Info:[Yu@carleton.ca,Yu];State:Success
@2017-10-10 16:38:05 INFO String:52 - Operation:Create New User;User Info:[Michelle@carleton.ca,Michelle];State:Success
@2017-10-10 16:38:05 INFO String:52 - Operation:Create New User;User Info:[Kevin@carleton.ca,Kevin];State:Success
@2017-10-10 16:38:05 INFO String:52 - Operation:Create New User;User Info:[Sun@carleton.ca,Sun];State:Success
@2017-10-10 16:38:05 INFO String:35 - Operation:Initialize UserTable; UserTable: [[0, Zhibo@carleton.ca, Zhix bo], [1, Yu@carleton.ca, Yu], [2,
Michelle@carleton.ca, Michelle], [3, Kevin@carleton.ca, Kevin], [4, Sun@carleton.ca, Sun]]
@2017-10-10 16:38:05 INFO String:52 - Operation:Create New User;User Info:[test-user-test,password];State:Success
@2017-10-10 16:38:05 INFO String:31 - Operation:Initialize TitleTable; TitleTable: [[9781442668584,By the grace of God],
[9781442616899,Dante's lyric poetry], [9781442667181,Courtesy lost], [9781611687910,Writing for justice], [9781317594277,The act in context]]
@2017-10-10 16:38:05 INFO String:49 - Operation:Create New Title:Title Info:[66666666666666.Devils book];State:Success
@2017-10-10 16:38:05 INFO String:58 - Operation:Create New Item;Item Info:[9781442668584,0];State:Success
@2017-10-10 16:38:05 INFO String:58 - Operation:Create New Item;Item Info;[9781442616899,0];State:Success
@2017-10-10 16:38:05 INFO String:58 - Operation:Create New Item;Item Info:[9781442667181,0];State:Success
@2017-10-10 16:38:05 INFO String:58 - Operation:Create New Item;Item Info:[9781611687910,0];State:Success
@2017-10-10 16:38:05 INFO String:37 - Operation:Initialize ItemTable; [main.java.server.io.model.ItemEntity@77f03bb1,
main.java.server.io.model.ltemEntity@326de728, main.java.server.io.model.ltemEntity@25618e91,
main.java.server.io.model.ltemEntity@7a92922]
@2017-10-10 16:38:05 INFO String:58 - Operation:Create New Item;Item Info:[66666666666666,0];State:Success
@2017-10-10 16:38:05 INFO String:27 - Operation:Initialize LoanTable;LoanTable: [[0, 9781442668584, 1, 2017-10-10 04:38:05, 0]]
@2017-10-10 16:38:05 INFO String:94 - Operation:Apply OutStanding Fee;Fee Info:[0,0];State:Success
@2017-10-10 16:38:05 INFO String:34 - Operation:Initialize FeeTable;FeeTable: [main.java.server.io.model.FeeEntity@546a03af]
@2017-10-10 16:38:05 INFO String:68 - Operation:Borrow Item;Loan Info:[5,66666666666,0,Tue Oct 10 16:38:05 EDT 2017];State:Success
@2017-10-10 16:38:05 INFO String:159 - Operation:Return Item;Loan Info:[5,6666666666666,0];State:Success
@2017-10-10 16:38:05 INFO String:100 - Operation:Apply OutStanding Fee;Fee Info:[5,3];State:Success
@2017-10-10 16:38:05 INFO String:58 - Operation:Create New Item;Item Info;[6666666666666,1];State:Success
@2017-10-10 16:38:05 INFO String:73 - Operation:Borrow Item;Loan Info:[5,6666666666666,1,Tue Oct 10 16:38:05 EDT
2017];State:Fail;Reason:Outstanding Fee Exists.
```