
Test Cases

for

Book Shop Automation

Version 1.0 approved

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Table of Contents

Table of Contents	ii
Revision History	ii
1. White Box Testing	1
1.1 Unit test cases	1
1.1.1 Book DB class - get_bookbyisbn()	1
1.1.2 BookDB class - add_book()	1
1.1.3 BookDB class - get_inventorylevel()	1
1.1.4 TransactionDB class - get_statistics()	1
1.1.5 NotInCollectionDB class - add_request()	1
1.1.6 NotInCollectionDB class - view_requests()	2
1.1.7 VendorDB class - search_vendorbyid()	2
2. Black Box testing	2
2.1 Generate receipt feature	2
2.1.1 Case when no such book exists	2
2.1.2 Case when book does not have enough copies	2
2.1.3 Case when successful	2
2.2 View statistics	2
2.2.1 Case when incorrect date is entered manually	2
2.2.2 Case when the query is successful	2
2.3 Update database	3
2.3.1 Case when the book does not exist	3
2.3.2 Case when incorrect details are entered	3
2.3.3 Case when publisher is not registered	3
2.3.4 Case when vendor is not registered	3
2.3.5 Case when full details aren't entered in the book entry form	3
2.3.6 Case when all form entries are entered successfully	3
2.3.7 Case when book already exists	3
2.4 View Inventory level	3
2.4.1 Case when successful	3
2.5 Query for book	3
2.5.1 Case when book exists	3
2.5.2 Case when book is not in the database	4
2.5.3 Case when book is not in stock	4
2.6 View Not In Collection requests	4

1. White Box Testing

1.1 Unit test Cases

1.1.1 BookDB class - get_bookbyisbn()

- Input: 2000
- Condition: Book with ISBN 2000 is not listed in the database
 - Expected output: null (no such book is in the store)
 - TEST PASSED
- Condition: Book with ISBN 2000 is listed in database
 - Expected output: Book(ISBN=2000)
 - TEST PASSED

1.1.2 BookDB class - add_book()

- Input: A new book with ISBN 352826
- Condition: Book doesn't exist in database
 - Expected output: Book added successfully.
 - OUTPUT AS EXPECTED
- Condition: Book exist in database
 - Expected output: Book already exists.
 - OUTPUT AS EXPECTED

1.1.3 BookDB class - get_inventorylevel()

- Input: ISBN=262835
- Condition: Book doesn't exist in database
 - Expected output: 0
 - OUTPUT AS EXPECTED

1.1.4 TransactionDB class - get_statistics()

- Input: Start date is more than end date
- Expected output: No results except default result header
- OUTPUT AS EXPECTED

1.1.5 NotInCollectionDB class - add_request()

- Input: A new request for a book: ISBN-963, Book Title = “House of M”, Author name = “Stanlee”, Publisher name= “Marvel”
- Condition: Book added for first time
 - Expected output: Book added, No exceptions unhandled
 - OUTPUT AS EXPECTED
- Condition: Book is already added
 - Expected output: 0 (request field for book is increased by1)
 - OUTPUT EXPECTED

1.1.6 NotInCollectionDB class - view_requests()

- Input: Query for getting requests
- Condition: Is ISBN 100 present? (data Is validated)
 - Expected output: Yes
 - OUTPUT AS EXPECTED

1.1.7 VendorDB class - search_vendorbyid()

- Input: ISBN=3000
- Condition: Vendor sell the book with ISBN 3000
 - Expected output: True(found)
 - TEST CASE PASSED.

2. Black Box testing

2.1 Generate receipt feature

2.1.2 Case when no such book exists

- Expected output: Error Dialog appears (“No Such Book Found”)
- TEST CASE PASSED

2.1.3 Case when book does not have enough copies

- Expected output: Error Dialog appears(“No of Copies Left”)
- TEST CASE PASSED

2.1.3 Case when successful

- Expected output: Receipt Prints
- PRINTS RECEPIT

2.2 View statistics

- Only Owner can see the sales statistics.

2.2.1 Case when incorrect date is entered manually

- Expected output: Error Dialog appears(“Enter Correct Date”)
- ERROR DIALOG WILL POPUP

2.2.2 Case when the query is successful

- Expected output: Statistics shown.
- OUTPUT AS EXPECTED

2.3 Update data

2.3.1 Case when the book does not exist

- Expected output: Error Dialog
- DIALOG WILL POPUP

2.3.2 Case when incorrect details are entered

- Expected output: Asks user to enter correct details.
- TEST CASE PASSED

2.3.3 Case when publisher is not registered

- Expected output: Publisher not registered dialog pops up
- TEST CASE PASSED

2.3.4 Case when vendor is not registered

- Expected output: Vendor not registered dialog pops up
- TEST CASE PASSED

2.3.5 Case when full details aren't entered in the book entry form

- Expected output: Error dialog pops up
- TEST CASE NOT PASSED

2.3.6 Case when all form entries are entered successfully

- Expected output: Return back to the update data panel
- TEST CASE PASSED

2.3.7 Case when book already exists

- Expected output: shows no of copies to be added.
- TEST CASE PASSED

2.3.8 Case when book is not in the data

- Expected output: Show the procurement form.
- TEST CASE NOT PASSED

2.4 View Not In Collection requests

- Expected output: Show requests
- TEST CASE PASSED