# Test Cases

# for

# Book Shop Automation

Version 1.0 approved

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# White Box Testing

## Unit test Cases

### 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)
* Condition: Book with ISBN 2000 is listed in database
* Expected output: Book(ISBN=2000)

### BookDB class - add\_book()

* Input: A new book with ISBN 352826
* Condition: Book doesn’t exist in database
* Expected output: Book added successfully.
* Condition: Book exist in database
* Expected output: Book already exists.

### BookDB class - get\_inventorylevel()

* Input: ISBN=262835
* Condition: Book doesn’t exist in database
* Expected output: 0

### TransactionDB class - get\_statistics()

* Input: Start date is more than end date
* Expected output: No results except default result header

### 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
* Condition: Book is already added
* Expected output: 0 (request field for book is increased by1)

### NotInCollectionDB class - view\_requests()

* Input: Query for getting requests
* Condition: Is ISBN 100 present? (data Is validated)
* Expected output: Yes

### VendorDB class - search\_vendorbyid()

* Input: ISBN=3000
* Condition: Vendor sell the book with ISBN 3000
* Expected output: True(found)

# Black Box testing

## Generate receipt feature

### Case when no such book exists

* Expected output: Error Dialog appears (“No Such Book Found”)

### Case when book does not have enough copies

* Expected output: Error Dialog appears(“No of Copies Left”)

### Case when successful

* Expected output: Receipt Prints

## View statistics

* Only Owner can see the sales statistics.

### Case when incorrect date is entered manually

* Expected output: Error Dialog appears(“Enter Correct Date”)

### Case when the query is successful

* Expected output: Statistics shown.

## Update data

### Case when the book does not exist

* Expected output: Error Dialog

### Case when incorrect details are entered

* Expected output: Asks user to enter correct details.

### Case when publisher is not registered

* Expected output: Publisher not registered dialog pops up

### Case when vendor is not registered

* Expected output: Vendor not registered dialog pops up

### Case when full details aren’t entered in the book entry form

* Expected output: Error dialog pops up

### Case when all form entries are entered successfully

* Expected output: Return back to the update data panel

### Case when book already exists

* Expected output: shows no of copies to be added.

## View Inventory level

### Case when successful

* Expected output: Show level

## Query for book

### Case when book exists

* Expected output: Show the entries

### Case when book is not in the data

* Expected output: Show the procurement form.

### Case when book is not in stock

* Expected output: Show Not in stock.

## View Not In Collection requests

* Expected output: Show requests