

Assignment 3

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Q1.

F1:

Positive: A book with mandatory category, id between 5 and 8 characters long, mandatory title, author name(s), description, and must be a decimal number greater or equal to 0.0.

Negative: A book without mandatory category, id between 5 and 8 characters long, mandatory title, author name(s), description, and is not a decimal number greater or equal to 0.0.

F2:

Positive: A customer browse through the store's books catalogue by displaying books resulting from a search.

Negative: A customer cannot browse through the store's books catalogue by displaying books resulting from a search.

F3:

Positive: A customer adds books to a books order.

Negative: A customer cannot add books to a books order.

F4:

Positive: A customer can view the id, description, unit cost, number of ordered copies, and total cost of the ordered copies (before taxes, shipping, and handling) of the books in books order.

Negative: A customer cannot view the id, description, unit cost, number of ordered copies, and total cost of the ordered copies (before taxes, shipping, and handling) of the books in books order.

F5:

Positive: A customer can update the number of ordered copies of a book in books order.

Negative: A customer cannot update the number of ordered copies of a book in books order.

F6:

Positive: e-Bookstore can compute and present the date of their books order, the total amount of their books order, the amount of taxes of their books order, the amount of handling and shipping fee of their book order.

Negative: e-Bookstore cannot compute and present anything.

F7:

Positive: e-Bookstore can remove books from the store's books catalogue.

Negative: e-Bookstore cannot remove books from the store's books catalogue.

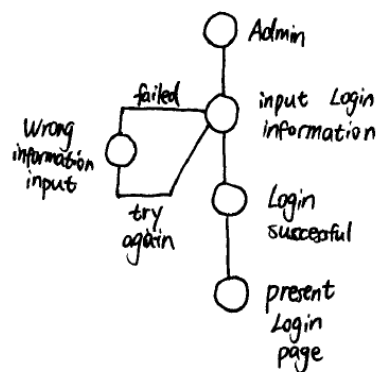
F8:

Positive: An administrator is authenticated before s before allowing them to add/remove books to/from the catalogue.

Negative: An administrator can do nothing in e-Bookstore.

Q2

1. Use Case: Administrator Sign in



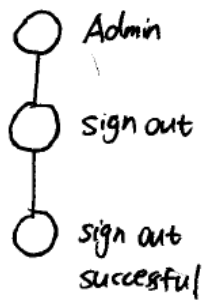
Scenario 1: Login successfully. Input correct, admin shows login page.

Scenario 2: Login failed. Input incorrect, admin shows try again, and go back to admin page.

Event	Reaction
Admin-input login information- login successful-present login page	Administrator login successful
Admin- input login information- wrong information input-login failed-input login information until input correct- login	Administrator login failed the first time and successfully the following time.

successful-present login page	
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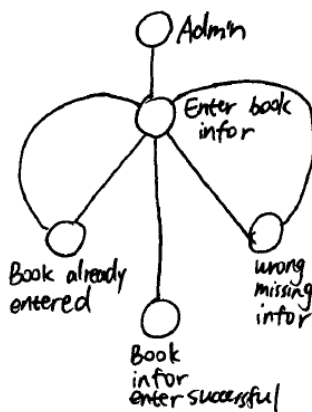
2. Use Case: Administrator Sign out



Scenario 1: Administrators sign out successfully.

Event	Reaction
Admin-sign out-sign out successful	Administrators sign out successfully.

3. Use Case: Add Book



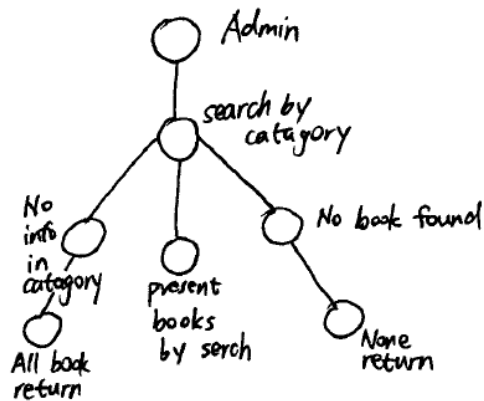
Scenario 1: Full book information is input and be presented in bookstore.

Scenario 2: A Book already entered, and an error message is displayed, then return to enter page

Scenario 3: The category of the book is not entered correct with something wrong and missing, then error message is displayed. Then, return to enter page.

Event	Reaction
Admin-enter book info-enter successful	Book is successfully added
Admin-enter book info-book already entered-enter book info until correct-enter successful	Book is not added
Admin-enter book info-info wrong or missing-enter book info until correct-enter successful	Book is not added

4. Use Case: Browse Catalogue



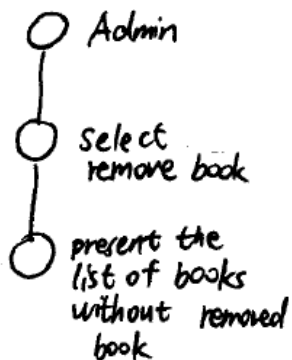
Scenario 1: category is input, book is returned

Scenario 2: No category is input, all books are returned

Scenario 3: category is input, no matching books, none return

Event	Reaction
Admin-search by category-present books by search	Return books by category search
Admin-search by category-nothing input in category-present all books	Return all books
Admin-search by category-no matching books-none return	Return none

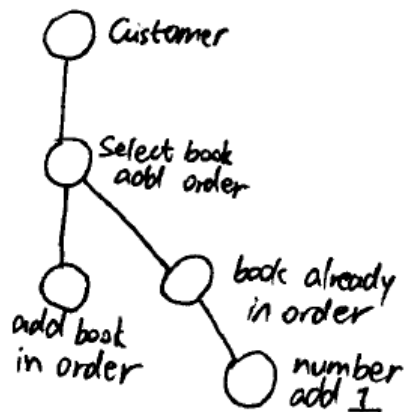
5. Use Case: Remove Book



Scenario 1: Admin selects to remove a book; the list of books is shown without the removed book.

Event	Reaction
Admin-select remove book-present the list of books without removed book	The list of books without removed book is shown.

6. Use Case: Order Book

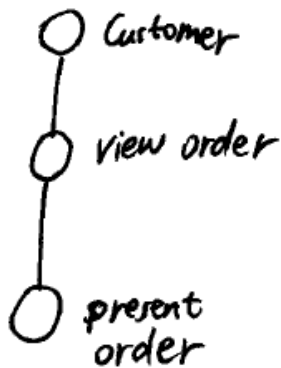


Scenario 1: adds book to order

Scenario 2: book is already in order, add this book and number increase by 1

Event	Reaction
Customer-select book add order-add book in order	Book added to order
Customer-select book add order-book already in order-number add 1	Book in order add 1

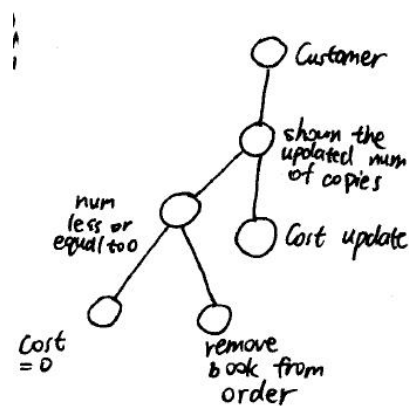
7. Use Case: View Books Order



Scenario 1: Customer selects to view order, store shows order

Event	Reaction
Customer-view order-present order	Present order

8. Use Case: Update Book Order

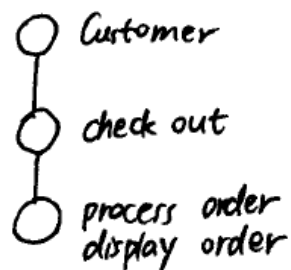


Scenario 1: total number of books is updated. Total cost gets updated

Scenario 2: total number of books is updated to be a number less than or equal to 0, total cost gets changed to 0 and removes the book from the order

Event	Reaction
Customer-shown the updated num of copies-cost updated	Total cost updated
Customer-shown the updated num of copies-num less or equal to 0-cost gets 0 and remove book from order	Book removed from order

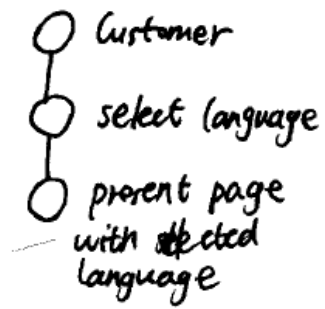
9. Use Case: Check out



Scenario 1: Customer selects check out, order gets processed and displayed

Event	Reaction
Customer-check out-process order display order	Order processed

10. Use Case: Select language



Scenario 1: Customer selects language, and information presented in selected language

Event	Reaction
Customer-select language-present page with selected language	Page present in selected language