Question 1

None = leave it blank

Functional requirement	Positive test Data	Negative test Data
F1.1	Category: Horror ID: 123456 Title: Game of Thrones Author names: Pierre Description: none Cost: 12.75$	Category: Horror ID: 123 Title: none Author names: none Description: none Cost: -5$
F2.1	Horror	123
F2.2	none	123
F3	Add Game of Thrones	Add none
F4.1	To be displayed: ID: 123456 Description: none Unit Cost: 12.75$ #ordered copies: 1 Cost: 12.75$	To be displayed: ID: none Description: none Unit Cost: none #ordered copies: 0 Cost: 0$
F5.1	0	2
F6.1	Cost of Game of Thrones after tax: 14.41$	Cost of Game of Thrones after tax: 10$
F6.2	Cost of Game of Thrones after tax and shipping: 25.05$	Cost of Game of Thrones after tax and shipping: 20$
F7	Remove Game of Thrones	Try removing Game of thrones again after removing it the first time
F8	Username: admin Password: password	Username: bla Password: 123

Some of these functionalities might not be testable in real life.

Question 2:
2:

User Case 1:

ID	Events	Description
1.1	1-2-3-4	Valid login credentials
1.2	1-2-3-3.a-3.a.1-3.a.2-3	Invalid login credentials

User Case 2:

ID	Events	Description
2.1	1-2	Signing out

User Case 3:

ID	Events	Description
3.1	1-2	Addition to catalogue
3.2	1-1.a-1.a.1-1.a.2-1-2	Wrong or missing info
3.3	1-1.b-1.b.1-1.b.2-2	Duplicated book id

User Case 4:

ID	Events	Description
4.1	1-2	Selected category
4.2	1-1.a-1.a.1	No category was specified
4.3	1-1.b-1.b.1	No book found

User Case 5:

ID	Events	Description
5.1	1-2	Remove book

User Case 6:

ID	Events	Description
6.1	1-2	Added to order
6.2	1-1.a-1.a.1	Increment order

User Case 7:

ID	Events	Description
7.1	1-2	View order

User Case 8:

ID	Events	Description
8.1	1-2	Update order
82.	1-1.a-1.a.1-1.a.2	Remove book

User Case 9:

ID	Events	Description
9.1	1-2	Check out

User Case 10:

ID	Events	Description
10.1	1-2	Select language

3:

Test Case: TC1.1
Goal: Test the main course of events
Scenario Reference: 1.1
Setup: The e-BookStore is ON, Administrator is not logged-in

	External Event	Expected Reaction	Comments

1	Username: admin Password: password	The system shows that the administrator is logged in	Username and password entered when the system is prompting for login

Pass Criteria: The Administrator is logged in, the Administrator can perform operations on the store's catalogue

Test Case: TC1.2
Goal: Test the alternative course of events
Scenario Reference: 1.2
Setup: The e-BookStore is ON, Administrator is not logged-in

	External Event	Expected Reaction	Comments
1	Username: bla Password: 123	The system shows that the administrator is not logged in	Invalid username and password entered when the system is prompting for login

Pass Criteria: Instructor is not logged in

Test Case: TC2.1
Goal: Test the main course of events
Scenario Reference: 2.1
Setup: Administrator is logged-in

	External Event	Expected Reaction	Comments
1	Selecting the sign out option	The system shows that the administrator is signed out	Signing out

Pass Criteria: The Administrator is not logged in

Test Case: TC3.1
Goal: Test the main course of events
Scenario Reference: 3.1
Setup: Administrator is logged-in and visiting the page for adding books

	External Event	Expected Reaction	Comments
1	Administrator enters the book information (see example data for F1.1.)	e-BookStore acknowledge the book addition to the catalogue	The book is added

Pass Criteria: A new book has been added to the store's catalogue

Test Case: TC3.2
Goal: Test the first alternate course of events
Scenario Reference: 3.2
Setup: Administrator is logged-in and visiting the page for adding books

	External Event	Expected Reaction	Comments
1	Administrator enters the book information (see example data for F1.1.)	e-BookStore displays the pertinent error messages	We proceed to repeat the external event after the reaction

Pass Criteria: e-BookStore displays the pertinent error messages

Test Case: TC3.3
Goal: Test the second alternate course of events
Scenario Reference: 3.3
Setup:

	External Event	Expected Reaction	Comments
1	Administrator enters the book information (see example data for F1.1.)	e-BookStore displays a duplicated book id error message	We proceed to repeat the external event after the reaction

Pass Criteria: e-BookStore displays a duplicated book id error message

Test Case: TC4.1
Goal: Test the main course of events
Scenario Reference: 4.1
Setup: The e-BookStore is ON

	External Event	Expected Reaction	Comments
1	User specifies a category upon which a catalogue search is to be performed	e-BookStore shows a list of books satisfying the selected category	Shows the selected category only

Pass Criteria: A list of selected books is being displayed

Test Case: TC4.2
Goal: Test the first alternate course of events
Scenario Reference: 4.2
Setup: The e-BookStore is ON

	External Event	Expected Reaction	Comments
1	No category was specified	e-BookStore shows a list of all the books in the catalogue	Shows all books

Pass Criteria: A list of all books is being displayed

Test Case: TC4.3
Goal: Test the second alternate course of events
Scenario Reference: 4.3
Setup: The e-BookStore is ON

	External Event	Expected Reaction	Comments
1	No book satisfying the searched category is found	e-BookStore displays a no matching book found message	Shows nothing

Pass Criteria: An empty list is being displayed

Test Case: TC5.1
Goal: Test the main course of events
Scenario Reference: 5.1
Setup: Administrator is logged-in, A list of catalogue books is being displayed

	External Event	Expected Reaction	Comments
1	Selecting the book we want to remove	e-BookStore shows the list of books without the removed book	The selected book is removed

Pass Criteria: The selected book has been removed from the store's catalogue

Test Case: TC6.1
Goal: Test the main course of events
Scenario Reference: 6.1
Setup: A list of catalogue books is being displayed

	External Event	Expected Reaction	Comments
1	Customer selects a book to add to his/her books order	e-BookStore add the book to the books order	The book is added

Pass Criteria: The selected book has been added to the customer's books order

Test Case: TC6.2
Goal: Test the alternate course of events
Scenario Reference: 6.2
Setup: A list of catalogue books is being displayed

	External Event	Expected Reaction	Comments
1	Customer selects a book to add to his/ her books order	e-BookStore increments the number of copies of the book in the books order	Assume that the selected book is already present at least once in the customers order

Pass Criteria: The selected book has been added to the customer's books order

Test Case: TC7.1
Goal: Test the main course of events
Scenario Reference: 7.1
Setup: A list of catalogue books is being displayed

	External Event	Expected Reaction	Comments
1	Customer selects to view his/her books order	e-BookStore shows the books order information (see example data for F4.1)	The book order info is displayed to the customer

Pass Criteria: The customer's books order is being shown

Test Case: TC8.1
Goal: Test the main course of events
Scenario Reference: 8.1
Setup: The customer's books order is being shown

	External Event	Expected Reaction	Comments
1	Customer specifies a number of copies for an ordered book	e-BookStore updates the total cost for the book	The update happens to the order

Pass Criteria: The customer's books order is being shown with the updated number of copies

Test Case: TC8.2
Goal: Test the alternate course of events
Scenario Reference: 8.2
Setup: The customer's books order is being shown

	External Event	Expected Reaction	Comments

		Total cost = 0	The steps happen one after the other without the need of an external event
1	New number of copies is less or equal to 0	Total cost = 0	The steps happen one after the other without the need of an external event
2		e-BookStore removes the book from the books order	

Pass Criteria: THe book is removed from the order

Test Case: TC9.1
Goal: Test the main course of events
Scenario Reference: 9.1
Setup: The customer's books order is being shown

	External Event	Expected Reaction	Comments
1	Customer select to checkout	e-BookStore processes the books order and display the information (see example data for F6)	The order is checked out

Pass Criteria: : The books order is processed and payment information are being shown

Test Case: TC10.1
Goal: Test the main course of events
Scenario Reference: 10.1
Setup: The e-BookStore is ON

	External Event	Expected Reaction	Comments
1	Customer select a language	e-BookStore displays information in the selected language	The website is displayed in the selected language

Pass Criteria: The selected language is used by the e-BookStore