**eShop: Use Case Description**

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| **Use Case Number: 10** | | |
| **Date Created: 07/25/2019** | | **Last Revision Date: 07/25/2019** |
| **Name** | Add to Cart | |
| **Brief description** | A customer browse books, selects a book item of interest and notifies to the system to add it to the cart. | |
| **Actors** | Customer | |
| **Preconditions :** | | |
| **A customer must have a valid account in the system and must have logged in.** | | |
| **Flows of Events:** | | |
| **Basic flow**   1. **System: Displays available books.** 2. **Customer: Browse books** 3. **Customer: Clicks a book of interest** 4. **Customer: Clicks to buy the book.** 5. **System: Checks the availability of the book in the store.** 6. **System: Confirms the availability of the book to the customer.** 7. **System : Request confirmation whether the customer is sure about the choice** 8. **Customer: Confirms to buy the book.** 9. **System: Accepts the choice and inserts to the cart.** 10. **System: Displays available books.** | | |
| **Alternative Flows**  **At 1. When the book is not available**   1. **Not available message will be displayed** 2. **Available books will be displayed.**   **At 2. When the customer does not confirm to add to the cart**   1. **The system will display the available books** | | |
| **Post conditions** | | |
| **Place Order option will be available.** | | |
| **Business Rules** | | |
| * **Customer can add any number of books to the cart.** * **Customer must be at legal age to buy certain books.** | | |

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| **Use Case Number: 11** | | |
| **Date Created: 07/25/2019** | | **Last Revision Date: 07/25/2019** |
| **Name** | Place Order | |
| **Brief description** | A customer will place order after selecting the books and adding to the cart. A customer will pay for the order and initiates delivery. | |
| **Actors** | Customer | |
| **Preconditions :** | | |
| **A customer must have added books to the cart.** | | |
| **Flows of Events:** | | |
| **Basic flow**   1. **System: Displays list of books in the cart.** 2. **Customer: Clicks to place order** 3. **System: Requests the customer confirmation to place the order.** 4. **Customer: Confirms to place the order.** 5. **System: Accepts the confirmation.** 6. **System: Requests the customer to provide payment detail.** 7. **Customer: Provides payment details.** 8. **System: Accepts the payment information and validates its legality.** 9. **System: Sends delivery information to the Supplier.** 10. **System: Displays confirmation message to the customer with the delivery date.** | | |
| **Alternative Flows**  **At 1: When the customer clicks not to place the order.**   1. **The System requests confirmation about not to place the order.** 2. **The Customer confirms not to place the order.** 3. **The system deletes the list in the cart.** 4. **The system will display the available books to the customer.**   **At 2: When the customer does not provided payment information.**   1. **The system will not place the order.** 2. **The system will delete the lists of books in the cart.** 3. **The system will display the available books to the customer.** | | |
| **Post conditions** | | |
| **System must generate tracking number for the order.**  **System must send confirmation email to the customer.**  **Supplier must accept the order.** | | |
| **Business Rules** | | |
| Customer must provide a credit card or debit card only. | | |

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| **Use Case Number: 12** | | |
| **Date Created: 07/25/2019** | | **Last Revision Date: 07/25/2019** |
| **Name** | Send Delivery Request | |
| **Brief description** | After a customer place order, the system will initiates a delivery request information to the supplier. | |
| **Actors** | System | |
| **Preconditions :** | | |
| **A customer must place an order.** | | |
| **Flows of Events:** | | |
| **Basic flow**   1. **System: Collects the necessary information about the customer** 2. **System: Adds the books details placed by the customer.** 3. **System: Generates a tracking number for the order.** 4. **System: Sends the information to the respective suppliers of the books.** | | |
| **Alternative Flows** | | |
| **Post conditions** | | |
| **Suppliers must send confirmation to the system.** | | |
| **Business Rules** | | |
| **Suppliers must send confirmation to the system.** | | |

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| **Use Case Number: 13** | | |
| **Date Created: 07/25/2019** | | **Last Revision Date: 07/25/2019** |
| **Name** | Notify Delivery Initiation | |
| **Brief description** | The system will send a notification about the delivery status to the customer after receiving acceptance confirmation from the supplier. | |
| **Actors** | System | |
| **Preconditions :** | | |
| **A supplier must send delivery request acceptance message to the system.** | | |
| **Flows of Events:** | | |
| **Basic flow**   1. **System: Accepts a delivery request acceptance message from the supplier.** 2. **System: Sends a tracking number and estimated arrival date to the customer.** | | |
| **Alternative Flows**  **At 1: When the Supplier does not send acceptance message.**   1. **The system will send an error message to the customer** | | |
| **Post conditions** | | |
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| **Business Rules** | | |
| Suppliers must deliver the placed order within the time provided. | | |

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| **Use Case Number: 14** | | |
| **Date Created: 07/25/2019** | | **Last Revision Date: 07/25/2019** |
| **Name** | Subscribe for Book update | |
| **Brief description** | The system will send frequent updates about the new arrivals, price changes on books, sale availability and others to the subscribed customers. | |
| **Actors** | System | |
| **Preconditions :** | | |
| **There must be at least one subscriber for book update** | | |
| **Flows of Events:** | | |
| **Basic flow**   1. **System: Collects information about new books supplied, books with price changes, books with availability (number changes), books on sale** 2. **System: Sends the information subscribers** | | |
| **Alternative Flows**  **At 1: When there is no subscriber**   1. **The system will do nothing.**   **At 2: When there is no change about the books**   1. **The system will do nothing.** | | |
| **Post conditions** | | |
| **The system will save each update information to the database for reference.** | | |
| **Business Rules** | | |
| **Customers can join the subscriber list anytime.** | | |