\*\*Use Case Document: Online Book Store Project\*\*

\*\*Use Case Name:\*\* Purchase Book

\*\*Use Case ID:\*\* UC001

\*\*Primary Actor:\*\* Customer

\*\*Stakeholders and Interests:\*\*  
- Customer: Wants to browse and purchase books online.  
- Online Book Store: Wants to provide a user-friendly platform for customers to purchase books and generate revenue.  
- Book Suppliers: Want their books to be listed and sold through the online book store.

\*\*Preconditions:\*\*  
- The online book store is accessible via a website or mobile application.  
- The customer has a registered account on the online book store.  
- The customer is logged in to their account.  
- The online book store has a catalog of available books.  
- The customer has a valid payment method linked to their account.

\*\*Postconditions:\*\*  
- The customer successfully purchases the selected book(s) and receives a confirmation.  
- The inventory of the purchased book(s) is updated.  
- The customer's payment method is charged accordingly.  
- The customer can access the purchased book(s) for reading.

\*\*Main Flow:\*\*  
1. The customer accesses the online book store via the website or mobile application.  
2. The customer logs in to their account using their credentials.  
3. The customer browses the available books using search, browse categories, or featured book options.  
4. The customer selects a book they wish to purchase.  
5. The system displays the book details, including the title, author, price, and a brief description.  
6. The customer verifies the book details and decides to proceed with the purchase.  
7. The system checks the availability of the book in the selected format (eBook, paperback, hardcover, etc.).  
8. If the book is available in multiple formats, the system prompts the customer to choose the desired format.  
9. The system adds the selected book(s) to the customer's shopping cart.  
10. The customer can continue browsing for more books or proceed to checkout.  
11. The system displays the contents of the shopping cart, including the selected book(s), quantity, and total price.  
12. The customer reviews the shopping cart and can remove or update the selected book(s) if necessary.  
13. The customer proceeds to checkout.  
14. The system prompts the customer to select the shipping address from their saved addresses or add a new address.  
15. The customer selects the desired shipping address and shipping method (e.g., standard shipping, express delivery).  
16. The system prompts the customer to select the payment method from their saved methods or add a new payment method.  
17. The customer selects the preferred payment method (e.g., credit card, PayPal).  
18. The system validates the payment information and confirms the order details.  
19. The customer confirms the order.  
20. The system charges the customer's payment method for the total amount and generates an order confirmation.  
21. The system updates the inventory of the purchased book(s).  
22. The customer receives an email or notification with the order confirmation and access details to the purchased book(s).  
23. The customer can access the purchased book(s) through their account's library or download it to their device for offline reading.

\*\*Alternative Flows:\*\*  
- \*\*A1:\*\* The customer decides not to proceed with the purchase.  
- In step 10, instead of proceeding to checkout, the customer can choose to continue browsing or leave the website/application.  
- The use case ends.

- \*\*A2:\*\* The selected book is out of stock.  
- In step 7, if the selected book is not available in the chosen format, the system notifies the customer about the unavailability.  
- The customer can remove the out-of-stock book or select an alternative format or book.  
- The use case continues from step 9.

- \*\*A

