



Instructions

Use the Check Out use case below to construct the following:

1. A robustness (initial design) diagram for the use case
2. A sequence diagram based upon the robustness (initial design) diagram
3. A test plan for the use case.

Check Out

- The system creates a Candidate Order object that contains the contents of the Customer's Shopping Cart. Then the system retrieves the Shipping Addresses associated with the Customer's Account, and displays these addresses on the Shipping Address Page.
- The Customer selects an address, and then presses the Use This Address button.


Bookstore.comLogout

Check Out

Please select an address to use for this order

☒ 123 North Drive
Somewhere, WA 23489


☐ 426 Oak Lane
Anywhere, NV 24852




- The system associates the given Shipping Address with the Candidate Order. Then the system displays the available Shipping Methods on the Shipping Method Page.
- The Customer selects a shipping method, and then presses the Use This Shipping Method button.

Check Out

Please select a shipping method.


-  ☐ Standard Shipping (2-3 weeks)
Free
- ☐ Express Shipping (2-3 days)
\$2.99
- ☐ Overnight Shipping (1 day)
\$9.99




- The system associates the given Shipping Method with the Candidate Order. Then the system displays the contents of the Billing Info objects associated with the Customer's Account, on the Billing Information Page.
- The Customer selects a billing method and presses the Use This Billing Information button.
- The system associates the given Billing Info object with the Candidate Order. Then the system displays the Confirm Order Page.

Check Out

Please select a billing method

-  ☐ Credit card ending in 4592
- ☐ Credit card ending in 8950
- ☐ Paypal



- The Customer presses the Confirm Order button.

**Check Out**

Please confirm that this information below is correct

Kids Fiction 2
Tom Ato**\$5.99**123 North Drive
Somewhere, WA 23489

Credit card ending in 4592

Kids Fiction 3
Jim Schwartz**\$12.99****Subtotal: \$18.94****Tax: \$01.33****Shipping: \$00.00****Total: \$20.27**

Cancel Order

Confirm

- The system converts the Candidate Order to an Order and destroys the Shopping Cart. Then the system returns control to the use case from which this use case received control.
 - If the Customer has not already logged in, the system invokes the Log In use case.
 - If the system does not find any Shipping Addresses, it invokes the Create Shipping Address use case.
 - If the system does not find any Billing Info objects, it invokes the Define Billing Information use case.
 - If the Customer presses the Cancel Order button at any time, the system destroys the Candidate Order and returns control to the use case from which this use case received control.