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| **Importance Level:** High | **ID:** 1 | | **Use Case Name:** Select Product |
| **Use Case Type:** Detail, Essential | | **Primary Actor:** Customer | |
| **Brief Description:**  This use case allows a customer to select a product and place it in their shopping cart, or change the quantity of the already selected product. | | | |
| **Trigger:** Customer intends to select a product for purchase.  **Type:** External  **Pre-Condition:** Customer clicks on '+' or '-' sign on a product listed.  **Post-Condition:** Selected product is either now in customer's shopping cart or its quantity has been modified. | | | |
| **Relationships:**  **Association:** Customer  **Include:**  **Extend:**  **Generalization:** | | | |
| **Normal flow of events:**   1. Check which option is chosen by customer:   If the product was not present in customer's cart and clicked on '+':  Perform S-1: Add new product to cart sub-flow.  If the product was present in customer's cart and clicked on '+':  Perform S-2: Increase the quantity of product in cart sub-flow.  If the product was not present in customer's cart and clicked on '-':  Do nothing.  If the product was present in customer's cart and clicked on '-':  Perform S-3: Decrease the quantity of product in cart sub-flow.   1. Inform user about the result of the operation. | | | |
| **Sub-flows:**  **S-1 New Product:**   1. Add the currently selected product to cart and reserve it for 1 quantity for customer.   **S-2 Increase Product Quantity:**   1. Add 1 to product's quantity in cart and reserve it.   **S-3 Decrease Product Quantity:**  1. Decrease 1 from product's quantity and un-reserve it.   1. If quantity reached 0, then totally mark this product as removed from customer's cart. | | | |
| **Alternate/Exceptional Flows:**  **S-1 1, S-2 1:**   * Product quantity availability in inventory might be insufficient. * Shopping Cart capacity exceeded. | | | |

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| **Importance Level:** Medium | **ID:** 2 | | **Use Case Name:** Manage Wishlist |
| **Use Case Type:** Detail, Essential | | **Primary Actor:** Customer | |
| **Brief Description:**  This use case allows a customer to mark items as their 'wishes' so they may have better access to them in the future. | | | |
| **Trigger:** Customer intends to modify the wishing status of a product.  **Type:** External  **Pre-Condition:** Customer clicks on the star '\*' icon on a product.  **Post-Condition:** Wishing status for a product has been successfully modified. | | | |
| **Relationships:**  **Association:** Customer  **Include:**  **Extend:**  **Generalization:** | | | |
| **Normal flow of events:**   1. Customer intends to add or remove an item from their wishlist by clicking on the star '\*' icon. 2. Upon clicking,  If the item was not previously starred, then   Perform S-1: Add to wishlist sub-flow.  Otherwise  Perform S-2: Remove from wishlist sub-flow.   1. Wishlist status has been updated. | | | |
| **Sub-flows:**  **S-1 Add to wishlist:**   1. Star currently selected product and add it to customer wishlist.   **S-2 Remove from wishlist:**   1. Un-star currently selected product and remove it from customer wishlist. | | | |
| **Alternate/Exceptional Flows:** | | | |

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| **Importance Level:** High | **ID:** 3 | | **Use Case Name:** Submit Score |
| **Use Case Type:** Detail, Essential | | **Primary Actor:** Customer | |
| **Brief Description:**  This use case allows a customer or a critic to tell their opinion about a previously purchased product, so other customers will   know what they should expect. | | | |
| **Trigger:** Customer/Critic intends to submit a score with a comment under product.  **Type:** External  **Pre-Condition:** Logged in -> Critic intends to submit an official rating or a customer intends to submit a score on a product in a previous purchase.  **Post-Condition:** Score with its comment is successfully submitted. | | | |
| **Relationships:**  **Association:** Customer, Critic  **Include:**  **Extend:**  **Generalization:** | | | |
| **Normal flow of events:**   1. A 'Score Submission' form is displayed. 2. The score is requested from the user on a scale of 0 to 5 (one-decimal point). 3. The opinion of the user is requested as a 'comment'. 4. User clicks the 'Submit' button. 5. The comment is submitted under product's page and the average score has been updated. 6. If the user is an official Critic, display a 'verified' sign next to their name. | | | |
| **Sub-flows:** | | | |
| **Alternate/Exceptional Flows:**  4:   * A previous score had been submitted by the user (no double-scoring allowed). * Product may have been removed by the owner. * Comment may contain inappropriate words. * Authenticity of the submitted score must be guaranteed (no personal/passive-aggressive attack against the seller). | | | |

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| **Importance Level:** High | **ID:** 4 | | **Use Case Name:** Search Product |
| **Use Case Type:** Detail, Essential | | **Primary Actor:** Customer | |
| **Brief Description:**  This use case allows a customer to search for a product based on specific category(ies) or filter(s). | | | |
| **Trigger:** A customer intends to search for a product.  **Type:** External  **Pre-Condition:** Customer clicks on 'Search' button.  **Post-Condition:** Search results are displayed successfully. | | | |
| **Relationships:**  **Association:** Customer  **Include:**  **Extend:**  **Generalization:** | | | |
| **Normal flow of events:**   1. A 'search' form is displayed. 2. Customer chooses which criteria they are looking for.  * Name * Date Submitted * Price Range * Availability * Brand Name * Category  1. Required fields based on previous step are checked. 2. Software searches the whole inventory for matching results. 3. Results are eventually displayed to the customer. | | | |
| **Sub-flows:** | | | |
| **Alternate/Exceptional Flows:**  4:   * No matches might not be found, inform user upon this. | | | |

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| **Importance Level:** High | **ID:** 5 | | **Use Case Name:** Get Purchase Report |
| **Use Case Type:** Detail, Essential | | **Primary Actor:** Customer | |
| **Brief Description:**  This use case enables the customer to retrieve details about a purchase. | | | |
| **Trigger:** A customer intends to get report of a purchase.  **Type:** External  **Pre-Condition:** Customer enters the OrderID of a purchase and hits 'Get Report'.  **Post-Condition:** Report is displayed successfully. | | | |
| **Relationships:**  **Association:** Customer  **Include:** Generate Purchase Papers  **Extend:**  **Generalization:** | | | |
| **Normal flow of events:**   1. Ask the user about the range of purchases to be filtered (by date, price, or any other factors). 2. Gather and process required information about current purchase. 3. Create a new purchase report paper. 4. Fill out the fee paper automatically. 5. Call: 'Generate Purchase Papers' use case -> Generate Misc. information regarding the purchases report. 6. If more purchases are found, then go to step 2. | | | |
| **Sub-flows:** | | | |
| **Alternate/Exceptional Flows:**  2: There might be no purchases available using selected filters. | | | |

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| **Importance Level:** High | **ID:** 6 | | **Use Case Name:** Track Order |
| **Use Case Type:** Detail, Essential | | **Primary Actor:** Customer | |
| **Brief Description:**  This use case enables the customer to gather information about their order status and details. | | | |
| **Trigger:** A customer intends to know about their status of order.  **Type:** External  **Pre-Condition:** Customer enters the 'Track Order' page.  **Post-Condition:** Order details is displayed successfully. | | | |
| **Relationships:**  **Association:** Customer  **Include:**  **Extend:**  **Generalization:** | | | |
| **Normal flow of events:**   1. Request Order ID from customer. 2. Search the database for corresponding Order ID. 3. Display order details in a printable form. 4. Highlight order status for convenience. | | | |
| **Sub-flows:** | | | |
| **Alternate/Exceptional Flows:**  2: No matching Order ID is found in database, or the corresponding order is too old. | | | |

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| **Importance Level:** High | **ID:** 7 | | **Use Case Name:** Submit Purchase |
| **Use Case Type:** Detail, Essential | | **Primary Actor:** Customer | |
| **Brief Description:**  This use case is called upon the user finalizing their purchase. | | | |
| **Trigger:** A customer intends to know about their status of order.  **Type:** External  **Pre-Condition:** Customer clicks on 'Finalize Purchase' button in their cart page.  **Post-Condition:** Order is submitted successfully. | | | |
| **Relationships:**  **Association:** Customer  **Include:** Calculate Total Price, Calculate Discount, Get Product's Quantity  **Extend:**  **Generalization:** | | | |
| **Normal flow of events:**   1. Call ' Get Product's Quantity ' -> Software checks the availability of all of the items selected by the customer respect to their quantity. 2. Request user to enter their discount coupon ID, or select an option from season offerings. 3. Call 'Calculate Total Price' use case -> Calculate the total price of products selected. 4. Call 'Calculate Discount' use case, providing the coupon ID. 5. Subtract discount from total price to calculate net worth. 6. Take user to a temporary page, which acts as an intermediary between software and payment page. 7. Submit order with a status of 'Awaiting Payment'. 8. Redirect to payment page and await payment. 9. Mark order as 'Pending' eventually. | | | |
| **Sub-flows:** | | | |
| **Alternate/Exceptional Flows:**  4: Coupon is invalid or expired.  9: Payment may be unsuccessful. | | | |

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| **Importance Level:** High | **ID:** 8 | | **Use Case Name:** Manage Stores |
| **Use Case Type:** Detail, Essential | | **Primary Actor:** Vendor | |
| **Brief Description:**  This use case enables the vendor to manage their underlying stores. | | | |
| **Trigger:** A vendor intends to modify their submitted stores.  **Type:** External  **Pre-Condition:** Vendor is about to modify a store.  **Post-Condition:** Store is modified successfully. | | | |
| **Relationships:**  **Association:** Vendor  **Include:**  **Extend:**  **Generalization:** | | | |
| **Normal flow of events:**   1. Vendor goes to 'My Stores' page. 2. Vendor clicks on 'Edit Store'. 3. Vendor edits store details. 4. Clicks on 'Apply'. | | | |
| **Sub-flows:** | | | |
| **Alternate/Exceptional Flows:**  4: They may change their mind about such edition. | | | |