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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:**  **Extend:**  **Generalization:** | | | |
| **Normal flow of events:**   1. A 'search' form is displayed. | | | |
| **Sub-flows:** | | | |
| **Alternate/Exceptional Flows:**  4:   * No matches might not be found, inform user upon this. | | | |