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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:** | | | |