**Iteration**: E2 **Date**: August 28, 2017

**Version**: 2

**Description/Overview**: A visitor chooses to add or make changes to one or more product offering(s) in his/her shopping cart. The shopping cart results update and display.

**Actor(s)**: Visitor

***SECTION MAIN***

**Typical Course of Events:**

1. The use case begins when a visitor decides to manage his/her shopping cart information **\*003 \*004**

* For adding an item see section: **Add to** **Cart**
* For removing an item see section: **Remove from Cart**
* For updating quantity see section: **Update Cart**
* **System Response:** A confirmation message displays informing the visitor about the end result of the action performed
* **System Response**: the subtotal, tax, and total update and display for the entire cart and the visitor is able to continue shopping if desired or choose to check out

**Alternative Course of Events:**

Line 1 – The visitor elects to leave the shopping cart area without making any additions or changes

**Error Conditions:**

Line 1 – Inability to retrieve data due to system error. Log error and display appropriate message asking visitor to either reload the page or contact the web administrator via an email link provided.

**Business Rule Applications**

003 – Shopping Cart for Anonymous Visitors

004 – Abandoned Cart Rule

**Section: Add to Cart**

1. The visitor makes a product selection from the list of featured products

* **System Response**: the product full details display, including the ability to add the product to the shopping cart

1. The visitor indicates the desire to add the desired selected product to his/her shopping cart

* **System Response**: The cart displays brief product information for the added product(s) such as product id, product name, price, and quantity with a default quantity of one for the given product

**Alternative Courses**

Line 1 – The visitor selects a category, and the list of products within the category display in brief view. The visitor selects the desired product for detailed viewing, and will be presented with the option to add the product to his/her cart. After adding, the appropriate brief details display along with a default quantity of one for the given product **\*001**

Line 1 – The visitor elects to search for products that match specific desired keywords. The visitor selects the desired product for detailed viewing, and will be presented with the option to add the product to his/her cart. After adding, the appropriate brief details display along with a default quantity of one for the given product

**Section: Remove from Cart**

1. The visitor decides to select the visual option to remove a given product from the shopping cart.

* **System Response**: the product is removed from the cart and any totals recalculate and display

**Alternative Course of Events**

Line 1: the visitor deletes the quantity value for a given product (leaving it blank) and chooses to save the change, which results in the product being removed from the shopping cart - any totals recalculate and display.

Line 1: the visitor types a zero “0” in the quantity textbox and chooses to save the change, which results in the product being removed from the shopping cart - any totals recalculate and display

**Section: Update Cart**

1. The visitor elects to enter a new quantity value (larger than zero) for a product already in his/her cart and elects to save this change
   * **System Response**: The quantity value for the given product is updated.
   * **System Response**: The subtotal, tax and total for the shopping cart update and re-display

**Error Conditions:**

Line 1 – Data validation error. Log error and display appropriate message asking visitor to either reload the page or contact the web administrator via an email link provided.