**Iteration**: E1 **Date**: August 28, 2017

**Version**: 2

**Description/Overview**: An administrator chooses to add or make changes to one or more product categories in the e-store.

**Actor(s)**: Administrator

***SECTION MAIN***

**Typical Course of Events:**

1. The use case begins when an administrator decides to manage category information

* For adding an item see section: **Add Category**
* For removing an item see section: **Remove Category**
* For updating quantity see section: **Update Category**
* **System Response:** A confirmation message displays informing the admin 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 admin elects to leave the 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.

**Section: Add Category**

1. The administrator indicates the desire to add a new category and enters the category name and optional description
2. The administrator decides to save the category

* **System Response**: a confirmation message displays

**Section: Remove Category**

1. The administrator selects the appropriate category from the list of alphabetical categories.

* **System Response**: the full category details display

1. The administrator indicates that the selected category be removed

* System Response: there are no products associated with the category, so the category is removed and a confirmation message displays

**Alternative Course of Events**

Line 2: there are products associated with the category. The administrator is informed, The products must be unassociated from the category prior to its removal

**Section: Update Cart**

1. The administrator selects a category from an alphabetical list
   * **System Response**: the category details display
2. The administrator makes the desired changes to the category information, and indicates the changes be saved

* **System Response**: a confirmation message displays, and the modifications are viewable immediately on the website