**Iteration**: E1 **Date**: January 9, 2019

**Version**: 3

**Description/Overview**: An administrator decides to manage necessary product information. The appropriate option is selected, and any changes made are saved. The product offerings immediately reflect the work that was done.

**Actor(s)**: Administrator

***SECTION MAIN***

**Typical Course of Events:**

1. The use case begins when an administrator needs to manage product information for the e-store
2. The administrator searches for the desired product by keyword

* **System Response**: the appropriate product record displays **\*001**

1. The administrator decides how to proceed
   * To update an existing product see section: **Update Product**
   * To remove a product see section: **Remove Product**
   * **System Response**: An appropriate message displays

**Alternative Course of Events:**

Line 2 – There are no details to display. The admin will be informed to try another search.

Line 2 – the administrator searches for the desired product by product id

Line 2 – the administrator finds the product by selecting a category, and viewing all products in that category, then selecting the desired product from the resulting list.

Line 2 – The administrator decides to create a new product. He/she selects a category to add the product to, enters all of the product details, and saves the product. **\*001**

**Error Conditions:**

Line 2 – 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**

001 – Product Details Rule

005 – Product Removal Rule

006 – Product Status Codes

**Section: Update Product**

1. The administrator changes the product details as desired and saves the changes.

**Section: Remove Product**

1. The administrator elects to remove the selected product from the e-store product offerings **\*005**
   * **System Response**: A check for conflicts to removal is done, and there are no conflicts
   * **System Response**: the product is removed and will no longer display as a product offering in the e-store.
   * **System Response**: Image data for the product (if it exists) will be flagged for deletion

**Alternative Course of Events**

Line 1 – The system indicates that a conflict exists and the product cannot be removed. The administrator can decide to modify the product status so that the product will no longer be active on the site for new orders, but it will continue to display for carts or orders that are in progress