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

**Version**: 2

**Description/Overview**: A visitor arrives at the e-commerce store, and selects a given method for displaying product information. Any results returned display the appropriate product details

**Actor(s)**: Visitor

***SECTION MAIN***

**Typical Course of Events:**

1. The use case begins when a visitor arrives at the e-commerce store
   * **System Response**: The Featured Products of the week display. Each featured product displays partial product information such as the product id, product name, product image, brief description and price **\*001**
   * **System Response**: The product categories display in alphabetical order
   * **System Response:** A search area is clearly visible should the visitor wish to do a keyword search **\*002**
2. The visitor decides how to proceed:
   * To display products by category see section: **Display by Category**
   * To search products based on one or more keywords see section: **Display by Keyword**
   * To view the full details of a single selected product see section: **Display**

**Single Product**

* + **System Response**: In any of the cases, the appropriate results display **\*001**

**Alternative Course of Events:**

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

Line 2 – The visitor elects to leave the e-commerce store without proceeding to view additional product results

**Error Conditions:**

Line 1, 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

002 – Search Keywords Rule

003 – Shopping Cart for Anonymous Visitors

**Section: Display by Category**

1. The visitor selects a desired category from the list of provided categories
2. The products within the selected category display in brief view and the visitor will have the ability to select one or more of the products for detailed viewing if desired **\*001**

**Section: Display by Keyword**

1. The visitor provides one or more search keywords **\*002** in the search facility and indicates that the search process should begin.
2. The products that match the search keyword(s) display in brief view and the visitor will have the ability to select any of the displayed products for detailed viewing if desired **\*001**

**Alternative Course of Events**

Line 1: the wrong keyword(s) were used. The visitor enters the correct keywords and initiates the search once more.

**Section: Display Single Product**

1. The visitor selects a featured product
   1. **System Response**: The full details for the selected product display. **\*001** The visitor is also given the ability to add the displayed product to his/her shopping cart. **\*003**

**Alternative Course of Events**

Line 1 – The visitor selects a product that was already displayed in brief view from a previous action. The full product details display **\*001**

Line 1 – The visitor inadvertently selected the wrong product to display. The correct product is selected.