Griffin Fujioka  
10/10/12  
CptS 422  
HW4 – WSUASTIS Test Cases

|  |  |
| --- | --- |
| *Test ID:* | 1 |
| *Test Description:* | Decrement product quantity in inventory database when only one of a single product is purchased. |
| *Component:* | Checkout |
| *Input Condition:* | Cart is not empty. |
| *Input State:* | Cart has one product in it and one quantity of that product. |
| *Expected Result:* | After transaction is complete, the quantity of that product in inventory should be decremented by one. |

|  |  |
| --- | --- |
| *Test ID:* | 2 |
| *Test Description:* | Upon sale of two different products, one of each, ensure correct updating of inventory quantities. |
| *Component:* | Checkout |
| *Input Condition:* | Cart is not empty. |
| *Input State:* | Cart has two products in it and one quantity of each product. |
| *Expected Result:* | After transaction is complete, the quantity of each of the sold products in inventory should be decremented by one. |

|  |  |
| --- | --- |
| *Test ID:* | 3 |
| *Test Description:* | Sell multiple of a single product. Decrement quantity in inventory accordingly. |
| *Component:* | Checkout |
| *Input Condition:* | Cart is not empty. |
| *Input State:* | Cart has one product in it and >1 quantity of that product. |
| *Expected Result:* | After transaction is complete, the quantity that product in inventory should be decremented by however many of the quantity were purchased. |

|  |  |
| --- | --- |
| *Test ID:* | 4 |
| *Test Description:* | Upon return of a product, increment database accordingly. |
| *Component:* | Return |
| *Input Condition:* | Cart is not empty. |
| *Input State:* | Cart has one product in it and one quantity of that product. |
| *Expected Result:* | After transaction is complete, the quantity that product in inventory should be decremented by one. |

|  |  |
| --- | --- |
| *Test ID:* | 5 |
| *Test Description:* | Attempt to change discount percentages with basic user permissions. |
| *Component:* | Change discount amount / User permissions |
| *Input Condition:* | Not logged in as manager. |
| *Input State:* | Navigate to checkout page, click application bar at bottom of page and choose to change discounts |
| *Expected Result:* | Display “Please login as manager” message. If user picks ‘OK’, visit ManagerLoginPage.xaml. If user picks ‘Cancel’, return to CheckoutPage.xaml. |

|  |  |
| --- | --- |
| *Test ID:* | 6 |
| *Test Description:* | Change discount percentages with manager permissions. |
| *Component:* | Change discount amount/ User permissions |
| *Input Condition:* | Logged in as manager |
| *Input State:* | Navigate to checkout page, click application bar at bottom of page and choose to change discounts. |
| *Expected Result:* | Navigate to ChangeDiscountsPage.xaml. |

|  |  |
| --- | --- |
| *Test ID:* | 7 |
| *Test Description:* | Attempt to manually edit inventory information with basic user permissions |
| *Component:* | Manual entry of inventory records / User permissions |
| *Input Condition:* | Not logged in as manager |
| *Input State:* | Navigate to a product’s details page, change values in quantity and price textboxes and press the save button. |
| *Expected Result:* | Display “Please login as manager” message. If user picks ‘OK’, visit ManagerLoginPage.xaml. If user picks ‘Cancel’, return to ProductsDetailsPage.xaml. |

|  |  |
| --- | --- |
| *Test ID:* | 8 |
| *Test Description:* | Attempt to manually edit inventory information with manager permissions |
| *Component:* | Manual entry of inventory records/ User permissions |
| *Input Condition:* | Logged in as manager |
| *Input State:* | Navigate to a product’s details page, change values in quantity and price textboxes and press the save button. |
| *Expected Result:* | Save updated values in inventory database. |

|  |  |
| --- | --- |
| *Test ID:* | 9 |
| *Test Description:* | Attempt to apply discount with basic user permissions |
| *Component:* | User permissions /Applying discounts |
| *Input Condition:* | Not logged in as manager, non-empty cart |
| *Input State:* | Navigate check out page and attempt to apply discounts |
| *Expected Result:* | Adjust net total to reflect discount on order |

|  |  |
| --- | --- |
| *Test ID:* | 10 |
| *Test Description:* | Attempt to apply discount with manager permissions |
| *Component:* | User permissions /Applying discounts |
| *Input Condition:* | Logged in as manager, non-empty cart |
| *Input State:* | Navigate check out page and attempt to apply discounts |
| *Expected Result:* | Adjust net total to reflect discount on order |

|  |  |
| --- | --- |
| *Test ID:* | 11 |
| *Test Description:* | Buy out case - attempt to purchase more of a product than are available in inventory |
| *Component:* | Updating inventory/Sale transactions |
| *Input Condition:* | Cart is not full, amount of product in inventory > 0 |
| *Input State:* | Amount of a product in cart are greater than |
| *Expected Result:* | Notify user. Offer to sell them what we can but that’s all we’ve got. |

|  |  |
| --- | --- |
| *Test ID:* | 12 |
| *Test Description:* | This is an extremely general test case and outside the focus of this assignment but input validation must be tested throughout the application. Some instances include changing discount amounts, changing prices and changing inventory. |
| *Component:* | Input |
| *Input Condition:* | All input controls are empty |
| *Input State:* | First, clearly define valid input domains for all input controls in the device. Next, attempt to enter input outside of these defined ranges. |
| *Expected Result:* | Throw invalid input message |

|  |  |
| --- | --- |
| *Test ID:* | 13 |
| *Test Description:* | Manually test accurate sales calculations for items total, tax total and net total. |
| *Component:* | Sales transactions |
| *Input Condition:* | Empty cart |
| *Input State:* | Non-empty cart |
| *Expected Result:* | Varies based on items in cart and discounts applied to transaction. |

|  |  |
| --- | --- |
| *Test ID:* | 14 |
| *Test Description:* | Attempt to apply a bulk discount on a transaction with the number of items included in the transaction less than the minimum of what qualifies a bulk transaction. |
| *Component:* | Sales transactions |
| *Input Condition:* | Empty cart |
| *Input State:* | Number of items included in transaction less than the minimum required for a bulk discount. |
| *Expected Result:* | Error message; bulk discounts require X number of items. |

|  |  |
| --- | --- |
| *Test ID:* | 15 |
| *Test Description:* | Attempt to apply multiple discounts on top of each other during a transaction. |
| *Component:* | Sales transactions |
| *Input Condition:* | At checkout page |
| *Input State:* | Non-empty cart |
| *Expected Result:* | Error message - only one transaction may be applied to a transaction. If a different discount is chosen the discount should be reflective of the original net total without any discounts instead of reflective of the already discounted net total. |