Computer Retail Shop Web App  
**Test Cases**

**CS 319 – Software Engineering**

**Professor Diego Fernandez**

**Group 5**

Alex Chen

Aziz Makda

Melisew Mengistie

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**Shopping Cart Feature Test Cases**

USE CASE #1 ADD/UPDATE PRODUCT

**Test Case 1: User successfully adds/updates product from cart**

The following test case validates that the user adds or updates items to their shopping cart. This is a “success” test, in which the user will add or update an item to their shopping cart and the cart will subsequently update accordingly.

**Requirement Link**

Shopping Cart Feature-> Use Case 1

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User accesses main homepage of computer retail shop | Site is displayed |
| **2** | User inputs data in search field and searches product catalog | Product information is displayed |
| **3** | User adds a product or quantity and submit | Confirmation message |
| **4** | Close browser |  |
| **5** | User opens browser and clicks on shopping cart | Shopping cart displayed |
| **6** | User checks if the item is added to the shopping cart | Shopping cart with updated information shown |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Product Name** | Memory stick |
| **Quantity** | 3 |

USE CASE #1 ADD/UPDATE PRODUCT

**Test Case 2: User unsuccessfully adds/updates product from cart**

The following test case validates that the user adds or updates items to their shopping cart. This is a “unsuccessful” test, in which the user will add or update an item to their shopping cart and the cart will subsequently update accordingly.

**Requirement Link**

Shopping Cart Feature -> Use Case 1

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User accesses main homepage of computer retail shop | Site is displayed |
| **2** | User inputs data in search field and searches product catalog | Product information is displayed |
| **3** | User adds a product or quantity and submit | Unsuccessful message: “there is only 2 in the stock” displayed |
| **4** | User corrects all field data and resubmits | “ item added successfully” message is displayed on the screen |
| **5** | Close browser |  |
| **6** | User opens browser and checks if the item is added to the shopping cart | User is able to see the added item into shopping cart |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Product Name** | Memory stick |
| **Quantity** | Test1: 10, Test2: 2 |

USE CASE #2 DELETE ITEM FROM SHOPPING CART

**Test Case 1: User successfully deletes item from shopping cart**

The following test case confirms that an item in the shopping cart has been removed as per the customer’s request. This is a “success” test, in which the user will remove an item from the shopping cart properly with no issues.

**Requirement Link**

Shopping cart feature -> Use Case 2

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User accesses main homepage of computer retail shop | Site is displayed |
| **2** | User accesses shopping cart | Shopping cart is displayed |
| **3** | User deletes an item from shopping cart or quantity is reduced | Product is removed from shopping cart or quantity changed message displayed |
| **4** | Close browser |  |
| **5** | User opens browser and navigates to shopping cart | Shopping cart is displayed |
| **6** | User checks that the item is not there | Item is not in the cart |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Product Name** | Memory stick |
| **Quantity** | 0 |

USE CASE #2 DELETE ITEM FROM SHOPPING CART

**Test Case 2: User unsuccessfully deletes item from shopping cart**

The following test case confirms that an item in the shopping cart has been removed as per the customer’s request. This is a “unsuccessful” test, in which the user will remove an item from the shopping cart improperly.

**Requirement Link**

Shopping cart feature -> Use Case 2

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User accesses main homepage of computer retail shop | Site is displayed |
| **2** | User accesses shopping cart | Shopping cart is displayed |
| **3** | User deletes an item from shopping cart or quantity is reduced | Error message displayed which informs the actions was not completed |
| **4** | User corrects and retakes action | “Item deleted successfully” message is displayed |
| **5** | Close browser |  |
| **6** | User opens browser and navigates to shopping cart | Shopping cart is displayed |
| **7** | User checks that the item is not there | Item is not in the cart |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Product Name** | Memory stick |
| **Quantity** | Test1: 3, Test2: 0 |

USE CASE #3 RESERVE PRODUCT FROM PRODUCT CATALOG

**Test Case 1: Validates user can reserve product successfully**

The following test case validates the user can select a product to reserve for future purchase. This is a “success” test, in which the user will properly reserve an item in the product catalog.

**Requirement Link**

Shopping Cart Feature -> Use Case 3

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User accesses main homepage of computer retail shop | Site is displayed |
| **2** | User searches for a specific product | Search results are displayed |
| **3** | User clicks on specific product | Product page is displayed |
| **4** | User clicks on reserve button | Successful reservation message displayed |
| **5** | Close browser |  |
| **6** | User opens browser and checks if the item is reserved in the shopping cart | User is able to see the reserved item in the cart |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Item Name** | Memory stick |
| **MPN** | SKU12345 |
| **Price** | $50.99 |
| **Quantity** | 1 |

USE CASE #3 RESERVE PRODUCT FROM PRODUCT CATALOG

**Test Case 2: Validates user cannot reserve product successfully**

The following test case validates the user can select a product to reserve for future purchase. This is a “unsuccessful” test, in which the user will properly reserve an item in the product catalog.

**Requirement Link**

Shopping Cart -> Use Case 3

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User accesses main homepage of computer retail shop | Site is displayed |
| **2** | User searches for a specific product | Search results are displayed |
| **3** | User clicks on specific product | Product page is displayed |
| **4** | User clicks on reserve button | Unsuccessful reservation message displayed, “item does not exist” |
| **5** | User corrects product number and resubmits | “ item reserved successfully” message is displayed on the screen |
| **6** | Close browser |  |
| **7** | User opens browser and checks if the item is reserved in the shopping cart | User is able to see the reserved item in the cart |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Item Name** | Memory stick |
| **MPN** | Test1: 02120xe2, Test2: SKU12345 |
| **Price** | $50.99 |
| **Quantity** | 1 |

**Product Catalog Feature Test Cases**

USE CASE #1 ADD/UPDATE PRODUCT

**Test Case 1: Validate Admin Can Add/Update a Product Successfully**

The following test case validates the Admin can add/update the product with our Web site. This is a “success” test, in which the Admin will added/updated the product in the website within the system.

**Requirement Link**

Product Catalog Feature ->USE CASE #1 ADD/UPDATE PRODUCT  
**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | Admin logs in the website and navigates admin panel page | Admin panel page is displayed |
| **2** | Admin goes to the product page | Product page is displayed on the screen |
| **3** | Admin completes all fields with the corresponding data and clicks “Update” button | Update Successful message is displayed |
| **4** | Close browser |  |
| **5** | Open browser, admin logs in and navigate to Product page of Website | Product page is displayed |
| **6** | Admin clicks the product to see the update | Product info displayed |
| **7** | Admin confirmed the product update | Admin is able to see updated info |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Item Name** | laptop |
| **MPN** | SKU12345 |
| **Price** | $500.99 |
| **Quantity** | 10 |

**Test Case 2: Validate System Rejects Invalid Data**

The following test case validates the system can trap invalid data when the Admin submits the update product form, and then informs the admin to re-enter the corresponding field with correct data type.

**Requirement Link**

Product Catalog Feature -> USE CASE #1 ADD/UPDATE PRODUCT

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | Admin access Web site and navigates to “Product” page | Product page is displayed |
| **2** | Admin completes all fields with the corresponding data and clicks “Update” button | System returns error message with clear information as to what has gone wrong: “price entered is incorrect data type” |
| **3** | Admin corrects the price data type and resubmites | Form is updated to the server and a “ update successful” message is displayed on the screen |
| **4** | Close browser |  |
| **5** | Open browser, Admin logs in and navigate to Product page of the Website | Product page is displayed |
| **6** | admin clicks the product to see that the info is updated | admin is able to see the updated info |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Item Name** | laptop1 |
| **MPN** | SKU12345 |
| **Price** | First attempt: fivehundred, second attempt: $500.99 |
| **Quantity** | 10 |

USE CASE #2 DELETE PRODUCT

**Test Case 1: Validate Admin Can Delete a Product Successfully**

The following test case validates the Admin can delete/update an item with Computer Retail Shop Website. This is a “success” test, in which the admin will delete an item within the system and be able to see the update in the Web site subsequently.

**Requirement Link**

Product Catalog Feature -> USE CASE #2 DELETE PRODUCT

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | Admin logs in the website and navigates admin panel page | Admin panel is displayed |
| **2** | Admin navigates to “Product” page | Product page is displayed |
| **3** | Admin completes all fields with the corresponding data and clicks delete an item | “Are you sure prompt” displayed |
| **4** | Admin clicks ”yes” and item deleted | “Item deleted successfully” message displayed |
| **5** | Close browser |  |
| **6** | Open browser, admin logs in and navigate to Product page of Website | Product page is displayed |
| **7** | Admin searches an item and checks if it is deleted or not | Admin is able to see that an item is deleted and is not displayed anymore |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Item Name** | laptop |
| **MPN** | SKU12345 |
| **Price** | $500.99 |
| **Quantity** | 1 |

**Test Case 2: Validate System Rejects Invalid Data**

The following test case validates the system can trap wrong Product MPN when the Admin submits the delete/update product form, and then informs the admin to re-enter the corresponding field with correct product MPN.

**Requirement Link**

Product Catalog Feature -> USE CASE #2 DELETE PRODUCT

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | Admin access Web site and navigates to “Product” page | Product page is displayed |
| **2** | Admin completes all fields with the corresponding data and clicks “Delete” button | System returns error message with clear information as to what has gone wrong: “Item does not exist” |
| **3** | Admin corrects the product MPN and resubmites | Form is updated to the server and a “item deleted successfully” message is displayed on the screen |
| **4** | Close browser |  |
| **5** | Open browser, Admin logs in and navigate to Product page of the Website | Product page is displayed |
| **6** | Admin searches an item and checks if it is deleted or not | admin confirmed that an item is deleted and it is not available anymore |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Item Name** | laptop |
| **MPN** | First attempt: S00059, Second attempt: SKU12345 |
| **Price** | $500.99 |
| **Quantity** | 10 |

USE CASE #3 VIEW PRODUCT

**Test Case 1: Validate User Can View a Product Successfully**

The following test case validates the user can view an item with our Web site to review the item information. This is a “success” test, in which the user will view an item within the system and be able to check the product info in the Website subsequently.

**Requirement Link**

Product Catalog Feature -> USE CASE #3 VIEW PRODUCT

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User logs in the website | User login form is displayed |
| **2** | User navigates to “Product” page | Product page is displayed |
| **3** | User searches an item | Item found in the system |
| **4** | User completes all fields with the corresponding data and clicks ”view” an item | Form is submitted to the server and item’s detail info is displayed |
| **5** | Close browser |  |
| **6** | Open browser, User logs in and navigate to Product page of the Website | Product page is displayed |
| **7** | User searches an item, then clicks view item | User is able to view an item |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Item Name** | laptop1 |
| **MPN** | SKU12345 |
| **Price** | $500.99 |
| **Quantity** | 1 |

**Test Case 2: Validate System Rejects Invalid Data**

The following test case validates the system can trap invalid data when the user submits the view an item form, and then informs the user to re-enter the corresponding field with correct data.

**Requirement Link**

Product Catalog Feature -> USE CASE #3 VIEW PRODUCT

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User access Web site and navigates to “Product” page | Product page is displayed |
| **2** | User completes all fields with the corresponding data and clicks “View” button | System returns error message with clear information as to what has gone wrong: “Item does not exist” |
| **3** | User corrects the product MPN and resubmites | Form is updated to the server and an “item found” message is displayed on the screen |
| **4** | Close browser |  |
| **5** | Open browser, User logs in and navigate to Product page of the Website | Product page is displayed |
| **6** | User searches an item, then clicks view item | User is able to view an item |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Item Name** | laptop |
| **MPN** | First attempt: S00059, Second attempt: SKU12345 |
| **Price** | $500.99 |
| **Quantity** | 1 |

**Review, Q&A Feature Test Cases**

USE CASE #1 POST REVIEW

**Test Case 1: Validate User Can Post a Product Review Successfully**

The following test case validates the user can post a review about the product that he/she bought with our Website. This is a “success” test, in which the user will post an item review within the system and be able to see the posts in the Web site subsequently.

**Requirement Link**

Review, Q&A Feature -> USE CASE #1 POST REVIEW

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User logs in the Web site | The site is displayed |
| **2** | User goes to “Orders” page | Order page is displayed |
| **3** | User clicks post review and completes all fields with the corresponding data and clicks “Post” button | Form is updated to the server and an “Review posted successfully” message is displayed on the screen |
| **4** | Close browser |  |
| **5** | Open browser and navigates the Review page of the Website | Review page is displayed |
| **6** | User checks the product review | User is is able to see the posted review |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Order No** | 55565656565 |
| **Product Name** | Mele’s GPU 1080 TI |
| **Review Rating** | 4/5 |
| **Review Topic** | Mele 1080 TI |
| **Review Content** | Mele makes the greatest 1080TI I have ever seen! |

**Test Case 2: Validate System Rejects Invalid Data**

The following test case validates the system can trap invalid data when the user submits the review a product form, and then informs the user to re-enter the corresponding field with correct data.

**Requirement Link**

Review, Q&A Feature -> USE CASE #1 POST REVIEW

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User access Web site and navigates to “Review” page | Review page is displayed |
| **2** | User completes all fields with the corresponding data and clicks “View” button | System returns error message with clear information as to what has gone wrong: “Item does not exist” |
| **3** | User corrects the Order No and resubmits | Form is updated to the server and an “Review posted successfully” message is displayed on the screen |
| **4** | Close browser |  |
| **5** | Open browser, User logs in and navigate to Review page of the Website | Review page is displayed |
| **6** | User clicks review of the product to check if the post is there | User is able to view the review in the website |

**Test Data:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Order No** | Test1: MA463764, test2: 55565656565 |
| **Product Name** | Mele’s GPU 1080 TI |
| **Review Rating** | 4/5 |
| **Review Topic** | Mele 1080 TI |

USE CASE #2 POST QUESTION

**Test Case 1: Validate User to Post a Question about Product Successfully**

The following test case validates the system can trap invalid data when the user submits the view an item form, and then informs the user to re-enter the corresponding field with correct data.

**Requirement Link**

Review, Q&A Feature -> USE CASE #2 POST QUESTION

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User logs in the Web site | The site is displayed |
| **2** | User Searches product | Product page is displayed |
| **3** | User clicks on question tab of product. | Question tab is displayed |
| **4** | User inputs question. | Prompt message is displayed, asking user to wait for question approval by system admin |
| **5** | Close browser | Browser closes |
| **6** | Open browser. After Approval check if question is displayed on product page. | Displayed question |

**Test Data: Product name: Mele’s GPU 1080TI**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Question Content** | Is this good? |

**Test Case 2:  Validate System Rejects Invalid Data**

The following test case validates the system to trap invalid data when the user submits the question, and then informs the user to re-enter the corresponding field with correct data.

**Requirement Link**

Review, Q&A Feature -> USE CASE #2 POST QUESTION

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User logs in the Web site | The site is displayed |
| **2** | User Searches product | Product page is displayed |
| **3** | User clicks on question tab of product. | Question tab is displayed |
| **4** | User submits question. | Prompt message is displayed, asking user to fill in all required fields and submit question. |
| **5** | User inputs question. | Prompt message is displayed, asking user to wait for question approval by system admin |
| **6** | Close browser | Browser closes |
| **7** | Open browser. After Approval check if question is displayed on product page. | The question is displayed |

**Test Data: Example - Product Name: Servo Motor**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Question Content** | Does this rotate to 360 degrees? |

USE CASE #3 POST ANSWER

**Test Case 1: Validate User to Post a Answer about Product Successfully**

The following test case validates the system can trap invalid data when the user submits the answer, and then informs the user to re-enter the corresponding field with correct data.

**Requirement Link**

Review, Q&A Feature -> USE CASE #3 POST ANSWER

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User logs in the Web site | The site is displayed |
| **2** | User Searches product | Product page is displayed |
| **3** | User clicks on answer tab of product. | Answer tab is displayed |
| **4** | User inputs Answer. | Prompt message is displayed, asking user to wait for Answer approval by system admin |
| **5** | Close browser | Browser closes |
| **6** | Open browser. After Approval check if answer is displayed on product page. | Displayed answer |

**Test Data: Product Name: Mele’s 1080TI GPU**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Answer Content** | Not really, Mele’s GPU isnt good as Aziz’s 1080TI GPU. |

**Test Case 2:  Validate System Rejects Invalid Data**

The following test case validates the system to trap invalid data when the user submits the answer, and then informs the user to re-enter the corresponding field with correct data.

**Requirement Link**

Review, Q&A Feature -> USE CASE #3 POST ANSWER

**Steps:**

|  |  |  |
| --- | --- | --- |
| **Step #** | **Step Description** | **Expected Result** |
| **1** | User logs in the Web site | The site is displayed |
| **2** | User Searches product | Product page is displayed |
| **3** | User clicks on answer tab of product. | Answer tab is displayed |
| **4** | User submitted answer. | Prompt message is displayed, asking user to fill in all required fields and submit answer . |
| **5** | User inputs answer. | Prompt message is displayed, asking user to wait for answer approval by system admin |
| **6** | Close browser | Browser closes |
| **7** | Open browser. After Approval check if answer is displayed on product page. | Displayed answer |

**Test Data: Product Name: Servo Motor**

|  |  |
| --- | --- |
| **Field** | **Value** |
| **Answer Content** | No, it only rotates to 180 degrees, you have to manipulate it to make it go 360 degrees. |