**Test Function Document**

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| Project Name: Online Shopping Cart | |
| Automation Title: test\_searchAndBuyProduct | Version: 1.0 |
| Testing Phase: Phase 1 | Date of Test: 23 Nov 2023 |
| Module Name: Online Shopping Cart | |

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| Function Title: searchAndBuyProduct | | | | Test Designed by: Lucas Åhl | | | |
| Test Priority (Low/Medium/High):  Medium | | | | Test Designed Date: 23 Nov 2023 | | | |
| Description: User will login, then search the inventory for products, then begin to shop. | | | | Test Executed by: Lucas Åhl | | | |
| Test Execution date: 23 Nov 2023 | | | |
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| Pre-conditions: products.csv | | | | | | | |
| Dependencies: display\_csv\_as\_table, display\_filtered\_table, checkoutAndPayment, login | | | | | | | |
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| S. No | Equivalence Class | Test case data | Expected Results | | Actual Results | Status (Pass/Fail) | Notes |
| 1 | Display all | ["all", "y"] | login\_stub called once, display\_csv\_as\_table\_stub called once with “products.csv”,  checkoutAndPayment\_stub called once with “login” | | login\_stub called once, display\_csv\_as\_table\_stub called once with “products.csv”,  checkoutAndPayment\_stub called once with “login” | Pass |  |
| 2 | Display all | ["ALL", "y"] | login\_stub called once, display\_csv\_as\_table\_stub called once with “products.csv”,  checkoutAndPayment\_stub called once with “login” | | login\_stub called once, display\_csv\_as\_table\_stub called once with “products.csv”,  checkoutAndPayment\_stub called once with “login” | Pass |  |
| 3 | Filtered single | ["Apple", "y"] | login\_stub called once,  display\_filtered\_table\_stub called once with ("products.csv", "Apple")  checkoutAndPayment\_stub called once with “login” | | login\_stub called once,  display\_filtered\_table\_stub called once with ("products.csv", "Apple")  checkoutAndPayment\_stub called once with “login” | Pass |  |
| 4 | Filtered pair | ["Apple, Banana", "y"] | login\_stub called once,  display\_filtered\_table\_stub called once with ("products.csv", "Apple, Banana")  checkoutAndPayment\_stub called once with “login” | | login\_stub called once,  display\_filtered\_table\_stub called once with ("products.csv", "Apple, Banana")  checkoutAndPayment\_stub called once with “login” | Pass |  |
| 5 | Filtered single | ["no", "y"] | login\_stub called once,  display\_filtered\_table\_stub called once with ("products.csv", "no")  checkoutAndPayment\_stub called once with “login” | | login\_stub called once,  display\_filtered\_table\_stub called once with ("products.csv", "no")  checkoutAndPayment\_stub called once with “login” | Pass | No is not a valid product |
| 6 | Filtered check twice | ["Apple", "n", "Milk", "y"] | login\_stub called once,  display\_filtered\_table\_stub called two times, once with ('products.csv', 'Apple') and once with ('products.csv', 'Milk')  checkoutAndPayment\_stub called once with “login” | | login\_stub called once,  display\_filtered\_table\_stub called two times, once with ('products.csv', 'Apple') and once with ('products.csv', 'Milk')  checkoutAndPayment\_stub called once with “login” | Pass |  |
| 7 | Filtered check twice pair | ["Apple, Banana", "n", "Milk", "y"] | login\_stub called once,  display\_filtered\_table\_stub called two times, once with ('products.csv', 'Apple, Banana') and once with ('products.csv', 'Milk')  checkoutAndPayment\_stub called once with “login” | | login\_stub called once,  display\_filtered\_table\_stub called two times, once with ('products.csv', 'Apple, Banana') and once with ('products.csv', 'Milk')  checkoutAndPayment\_stub called once with “login” | Pass |  |
| 8 | Filtered pair and all | ["Apple, Banana", "n", "all", "y"] | login\_stub called once,  display\_filtered\_table\_stub called once with ('products.csv', 'Apple, Banana')  display\_csv\_as\_table\_stub called once with ('products.csv')  checkoutAndPayment\_stub called once with “login” | | login\_stub called once,  display\_filtered\_table\_stub called once with ('products.csv', 'Apple, Banana')  display\_csv\_as\_table\_stub called once with ('products.csv')  checkoutAndPayment\_stub called once with “login” | Pass |  |
| 9 | Display two all | ["all", "n", "aLl", "y"] | login\_stub called once,  display\_csv\_as\_table\_stub called twice with ('products.csv')  checkoutAndPayment\_stub called once with “login” | | login\_stub called once,  display\_csv\_as\_table\_stub called twice with ('products.csv')  checkoutAndPayment\_stub called once with “login” | Pass |  |
| 10 | Display All many | ["all", "n", "all", "n", "all", "n", "all", "n", "all", "n", "all", "n", "all", "n", "all", "n", "all", "n", "aLl", "y"] | login\_stub called once,  display\_csv\_as\_table\_stub called ten times with ('products.csv')  checkoutAndPayment\_stub called once with “login” | | login\_stub called once,  display\_csv\_as\_table\_stub called ten times with ('products.csv')  checkoutAndPayment\_stub called once with “login” | Pass |  |
| 11 | Filtered single many | ["Apple", "n", "Apple", "n", "Apple", "n", "Apple", "n", "Apple", "n", "Apple", "n", "Apple", "n", "Apple", "n", "Apple", "n", "Apple", "y"] | login\_stub called once,  display\_filtered\_table\_stub called ten times with ('products.csv', 'Apple')  checkoutAndPayment\_stub called once with “login” | | login\_stub called once,  display\_filtered\_table\_stub called ten times with ('products.csv', 'Apple')  checkoutAndPayment\_stub called once with “login” | Pass |  |
| 12 | Invalid int | [1, "y"] | Raises Attribute Error | | Raises Attribute Error | Pass |  |
| 13 | Invalid float | [1.1, "y"] | Raises Attribute Error | | Raises Attribute Error | Pass |  |
| 14 | Invalid list | [[], "y"] | Raises Attribute Error | | Raises Attribute Error | Pass |  |