**Test Function Document**

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| Project Name: Online Shopping Cart | |
| Automation Title: test\_3 | Version: 1.0 |
| Testing Phase: Phase 1 | Date of Test: 27 Nov 2024 |
| Module Name: online\_shopping\_cart | |

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| Function Title: check\_cart | | | | Test Designed by: Jiaying He | | | |
| Test Priority (Low/Medium/High): Medium | | | | Test Designed Date: 24 Nov 2024 | | | |
| Description: The check\_cart function prints the cart and prompt user for proceeding to checkout. | | | | Test Executed by: Jiaying He | | | |
| Test Execution date: 27 Nov 2024 | | | |
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| Pre-conditions: Login status | | | | | | | |
| Dependencies: display\_cart\_items, checkout, UserInterface | | | | | | | |
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| S. No | Equivalence Class | Test case data | Expected Results | | Actual Results | Status (Pass/Fail) | Notes |
| 1 | IEC1 | user.name=TestUser;  cart.items =[ Product  ("Apple", 2, 1)];  input=  ["n","y","x","x","x"] | Result is false; display\_cart\_items is used for twice; 5 inputs are called;  "Invalid input. Please try again." is captured | | Result is false; display\_cart\_items is used for twice; 5 inputs are called;  "Invalid input. Please try again." is captured | Pass | Invalid EC label starts with IEC.  Invalid input at the removing item stage  Test name: test\_check  \_cart\_invalid\_  input\_1() |
| 2 | IEC2 | user.name=TestUser;  cart.items =[ Product  ("Apple", 2, 1)];  input= ["n","n"] | Result is false; display\_cart\_items is used for once; 2 inputs are called; | | Result is false; display\_cart\_items is used for once; 2 input are used; | Pass | Invalid input which doesn’t enter any branch.  Test name: test\_check  \_cart\_invalid\_  input\_2 () |
| 3 | IEC3 | user.name=TestUser;  cart.items =[ Product  ("Apple", 2, 1)];  input= ["","",""] | Result is false; display\_cart\_items is used for once; 2 inputs are called; cart.remove\_  Item is not called. | | Result is false; display\_cart\_items is used for once; 2 input are used; cart.remove\_  Item is not called. | Pass | Empty input.  Test name: test\_check\_cart\_  invalid\_  input\_3() |
| 4 | VEC1 | user.name=TestUser;  cart.items =[ Product  ("Apple", 2, 1)];  input= ["y"] | mock\_checkout is called once; cart.  remove\_item is not called | | mock\_checkout is called once; cart.  remove\_item is not called | Pass | Valid input label starts with VEC.  Jump to check out.  Test name: test\_check\_cart\_  checkout() |
| 5 | VEC2 | user.name=TestUser;  cart.items =[ Product  ("Apple", 2, 1)];  input= ["n","y","c","n","n"] | display\_cart\_items is called 3 times; result is false | | display\_cart\_items is called 3 times; result is false | Pass | Check items list.  Test name: test\_check\_cart\_  check\_items() |
| 6 | VEC3 | user.name=TestUser;  cart.items =[ Product  ("Apple", 2, 1)];  input= ["n","y","1"] | display\_cart\_items is called twice; cart.remove\_item is called once; global\_products.units add one | | display\_cart\_items is called twice; cart.remove\_item is called once; global\_products.units add one | Pass | Remove items successfully.  Test name: test\_check\_cart\_  remove\_items\_  success() |
| 7 | VEC4 | user.name=TestUser;  cart.items =[];  input= ["y"] | Result is false; display\_cart\_items is used for once; 0 input are called; | | Result is false; display\_cart\_items is used for once; 0 input are used; | Pass | Cart is empty.  Test name: test\_check\_cart\_  empty\_cart() |