**Test Function Document**

|  |  |
| --- | --- |
| Project Name: Assignment 1, Task 3 | |
| Automation Title: test\_check\_cart | Version:1.0 |
| Testing Phase: Phase 1 | Date of Test: 2021-11-23 |
| Module Name: Online Shopping Cart | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Function Title: check\_cart() | | | Test Designed by: Lawend Mardini | | | |
| Test Priority (Low/Medium/High): Medium | | | Test Designed Date: 2021-11-23 | | | |
| Description: Takes a cart and a user and checks out the cart, if the user has sufficient funds and items in cart. | | | Test Executed by: Lawend Mardini | | | |
| Test Execution date: 2021-11-23 | | | |
|  | | | | | | |
| Pre-conditions:  Shoppingcart is of class – ShoppingCart  User is of class - User | | | | | | |
| Dependencies: Checkout() | | | | | | |
|  | | | | | | |
| S. No | Equivalence Class | Test case data | Expected Results | Actual Results | Status (Pass/Fail) | Notes |
| 1 | VEC1 | Empty cart, user wallet with funds, user input = “N” | Return = false | Return = False | Pass | Test name: test\_no\_checkout\_empty\_cart() |
| 2 | VEC2 | Cart with items, user wallet with sufficient funds, user input = “N” | Return = false, print showing users items in cart | Return = false, print showing users items in cart | Pass | Test name: test\_no\_checkout\_non\_empty\_cart() |
| 3 | VEC4 | Cart with items, user wallet with sufficient funds, user input = “Y” | Prints out customers items and, checks out and then thanks customer for the purchase. | Prints out customers items and, checks out and then thanks customer for the purchase. | Pass | Test name: test\_checkout\_non\_empty\_cart() |
| 4 | VEC4 | Cart with items, user wallet with sufficient funds, user input = “y” | Prints out customers items and, checks out and then thanks customer for the purchase. | Prints out customers items and, checks out and then thanks customer for the purchase. | Pass | Tests if it user input is case-sensitive. Test name: test\_case\_sensitivity() |
| 5 | VEC3 | Empty cart, user wallet with sufficient funds, user input = “Y” | Prints out to customer that the cart is empty and to add more items before checking out. | Prints out to customer that the cart is empty and to add more items before checking out. | Pass | Test name: test\_checkout\_empty\_cart() |
| 6 | VEC2 & VEC4 | Cart with items, user wallet with sufficient funds, user input = “N” and then “Y” | Prints out to customer contents of carts, then returns false. Then prints out contents again and then checks out customer. | Prints out to customer contents of carts, then returns false. Then prints out contents again and then checks out customer. | Pass | Test name: test\_no\_checkout\_non\_empty\_cart\_then\_checkout() |
| 7 | VEC1 | Empty cart, user wallet with funds, user input = “asdasdahjwej” | Return = false | Return = false | Pass | Test name: test\_random\_input() |
| 8 | VEC5 | Cart with items, user wallet with insufficient funds, user input = “Y” | Print out customers items and then inform customer they have insufficient funds | Print out customers items and then inform customer they have insufficient funds | Pass | Test name: test\_checkout\_insufficient\_balance() |
| 9 | IEC6 | Cart with items to empty stock, user wallet with sufficient funds, user input = “Y” | Successfully checks out, should then not be possible to add same item to the cart | No error given, instead of cart being empty it contains an entity ‘None’ | Fail(pass?) | Test name: test\_check\_cart\_to\_empty\_stock() |
| 10 | IEC7 | Cart with items to empty stock, user wallet with sufficient funds, user input = “Y” then “Y” again | Successfully checks out item, fails to add item, then prints that user cart is empty | Throws an exception that ‘None’ can’t be added to shopping cart | Fail | Test name: test\_check\_cart\_twice\_after\_emptying\_stock() |