Test Function Document

Project Name: A1_unit_testing_students	
Automation Title: test_logout	Version: 1.0
Testing Phase: Phase 1	Date of Test: 23 nov 2023
Module Name: A1_unit_testing_students	

Function Title: logout	Test Designed by: Jannik Recklies
Test Priority (Low/Medium/High): Medium	Test Designed Date: 23 Nov 2023
Description: The logout function takes a cart as input and returns true if the cart has no more products in it. In the case that the cart is not empty, the user gets asked if it should be emptied or not. If the user answers yes, the cart gets emptied, and the function returns true. Otherwise, the cart stays the same and the function returns false.	Test Executed by: Jannik Recklies
	Test Execution date: 23 nov 2023

Pre-conditions: None	
Dependencies: None	

S. No	Equivalence Class	Test case data	Expected Results	Actual Results	Status (Pass/Fail)	Notes
1	EC1	ShoppingCart without any products	Function returned True; Cart.items = 0	Function returned True; Cart.items = 0	Pass	Test name: test_logout_with_empty_cart()
2	EC2	ShoppingCart with Product(name="Apple", price=5, units=10) UserInput: "n"	Function returned False; Cart.items = 1	Function returned False; Cart.items = 1	Pass	Test name: test_cancel_logout_cart_with_ one_element()
3	EC2	ShoppingCart with Product(name="Apple", price=5, units=10) UserInput: "No"	Function returned False; Cart.items = 1	Function returned False; Cart.items = 1	Pass	Test name: test_cancel_logout_cart_with_ one_element()
4	EC2	ShoppingCart with Product(name="Apple", price=5, units=10), Product(name="Banana", price=10, units=2) UserInput: "n"	Function returned False; Cart.items = 2	Function returned False; Cart.items = 2	Pass	Test name: test_cancel_logout_cart _with_two_elements()

5	EC2	ShoppingCart with Product(name="Apple", price=5, units=10), Product(name="Banana", price=10, units=2), Product(name="Orange", price=12, units=5) UserInput: "n"	Function returned False; Cart.items = 3	Function returned False; Cart.items = 3	Pass	Test name: test_cancel_logout_cart_ with_multiple_elements()
6	EC3	ShoppingCart with Product(name="Apple", price=5, units=10) UserInput: "y"	Function returned True; Cart.items = 0	Function returned True; Cart.items = 0	Pass	Test name: test_logout_clear_cart_ with_one_element()
7	EC3	ShoppingCart with Product(name="Apple", price=5, units=10) UserInput: "Yes"	Function returned True; Cart.items = 0	Function returned True; Cart.items = 0"	Pass	Test name: test_logout_clear_cart_ with_one_element()
8	EC3	ShoppingCart with Product(name="Apple", price=5, units=10), Product(name="Banana", price=10, units=2) UserInput: "y"	Function returned True; Cart.items = 0	Function returned True; Cart.items = 0	Pass	Test name: test_logout_clear_cart_ with_two_elements
9	EC3	ShoppingCart with Product(name="Apple", price=5, units=10), Product(name="Banana", price=10, units=2), Product(name="Orange", price=12, units=5) UserInput: "y"	Function returned True; Cart.items = 0	Function returned True; Cart.items = 0	Pass	Test name: test_logout_clear_cart_ with_multiple_elements()