Project Name: Online shopping cart	
Automation Title: test_checkout	Version: 1.0
Testing Phase: Phase 1	Date of Test: 27/11/2024
Module Name: checkout_process.py	

Function Title: checkout(user, cart)	Test Designed by: Rushidharan Baskar
Test Priority (Low/Medium/High): Medium	Test Designed Date: 26/11/2024
Description: The checkout(user, cart) function processes the items in the shopping cart, checking if the user has enough funds to complete the purchase. If so, it deducts the total cost from the user's wallet and clears the cart.	Test Executed by: Rushidharan Baskar
	Test Execution date: 27/11/2024

S.no	Equivalence Class	Test case	Expected results	Actual Results	Status (Pass/ Fail)	Notes
1	VEC1	test_checkout_with_valid_items_in_cart	User wallet = 80.0, Cart is empty	User wallet = 80.0, Cart is empty	Pass	Checkout with valid cart and sufficient wallet balance.
2	VEC2	test_checkout_with_exact_wallet_amount	User wallet = 0.0, Cart is empty	User wallet = 0.0, Cart is empty	Pass	Checkout with exact wallet balance to match the total cost.
3	VEC3	test_checkout_multiple_items	User wallet = 15.0, Cart is empty	User wallet = 15.0, Cart is empty	Pass	Multiple items added to cart.
4	VEC4	test_checkout_with_zero_wallet_balance	User wallet = 0.0, Cart is empty	User wallet = 0.0, Cart is empty	Pass	Wallet used up for the purchase, cart cleared.

5	VEC5	test_checkout_with_high_quantity	User wallet = 0.0, Cart is empty	User wallet = 0.0, Cart is empty	Pass	High quantity checkout, wallet balance cleared.
6	VEC6	test_checkout_large_wallet	User wallet = 0.01, Cart is empty	User wallet = 0.01, Cart is empty	Pass	Checkout with large wallet, minimal remaining balance.
7	VEC7	test_checkout_multiple_units_of_same_item	User wallet = 0.0, Cart is empty	User wallet = 0.0, Cart is empty	Pass	Multiple units of the same product purchased.
8	VEC8	test_checkout_when_cart_is_already_empty	User wallet = 200.0, Cart is empty	User wallet = 200.0, Cart is empty	Pass	No change, cart is empty.
9	VEC9	test_checkout_wallet_precision	User wallet = 0.0, Cart is empty	User wallet = 0.0, Cart is empty	Pass	Wallet precision handling, cleared after purchase.
10	VEC10	test_checkout_with_discounted_items	User wallet = 10.0, Cart is empty	User wallet = 10.0, Cart is empty	Pass	Checkout with a discount applied to the item.
11	IEC1	test_checkout_insufficient_wallet_balance	User wallet = 5.0, Cart is not empty	User wallet = 5.0, Cart not empty	Pass	Insufficient funds, cart not cleared.
12	IEC2	test_checkout_empty_cart	User wallet = 50.0, Cart is empty	User wallet = 50.0, Cart is empty	Pass	Cart is empty, no change in wallet.
13	IEC3	test_checkout_with_negative_wallet_balance	User wallet = -10.0, Cart is not empty	User wallet = -10.0, Cart not empty	Pass	Negative wallet balance, cart not cleared.
14	IEC4	test_checkout_with_invalid_product_units	User wallet = 100.0, Cart not empty	User wallet = 100.0, Cart not empty	Pass	Negative units for a product, cart not cleared.