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Week 5 Lab

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Advanced Software Engineering – Week 5 Lab

Test Cases from Use Case Scenarios

- Identify input parameters from the expanded use case in the table below.
- Specify the input values for the parameters.
- Generate use case based test cases.

Insert Coin Expanded Use Case

Actor: Customer	System: Vending Machine
1. TUCBW customer inserts a nickel, a dime, or a quarter into the coin slot.	2. System displays the amount inserted.
3. Customer repeats step 1 above.	4. System displays the total amount inserted
5. TUCEW customer sees the total amount is sufficient or presses the return-coin button.	

Input parameters

- * Must be a coin to fit in to coin slot

Input Values

- * Quarter - 25 cents
- * Dime - 10 Cents
- * Nickel - 5 cents

NOTE: Does not accept penny, dollar, or 50 cent coin according to use case

Test Cases:

1) Insert Quarter

Expected Result: System displays 25 cents

2) Insert Dime

Expected Result: Systems displays 35 cents

3) Insert Nickel

Expected Result: System displays 40 cents

4) Insert penny

Expected Result: System sends directly to coin return

5) Insert Dollar Coin

Expected Result: System sends directly to coin return

6) Insert 50 cent coin

Expected Result: System sends directly to coin return

7) Insert canadian coin

Expected Result: System sends directly to coin return

8) If total amount is sufficient for purchase, customer can choose a product and it will vend and reset counter on display

9) If total amount is not sufficient, customer can press coin return and their money will be returned.