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CIS129

Week 2 Test Plan

Expected: Entering product number other than available product number is not accepted.

Input: -1, abc, 4, 3.4, space, null

Output: “Invalid entry.”

Expected: Entering an invalid purchase amount will return an error.

Input: -1, abc, 3.4, space, null

Output: “Invalid entry.” or “Quantity cannot be less than zero.” if negative

Expected: Discount should be applied for each product num (5-7 purchased 10% discount, 8 or 9 purchased 15% discount, 10+ purchased 20% discount)

Input: Choose product one, purchase 5 bulbs, 8 bulbs, and 10 bulbs.

Repeat with product two and three.

Output: Prod. 1(5 bulbs = $0.75 discount, 8 bulbs = $1.80 discount, 10 bulbs = $3.00 discount)

Prod. 2 (5 bulbs = $1.50 discount, 8 bulbs = $3.60 discount, 10 bulbs = $6.00 discount)

Prod. 3 (5 bulbs = $2.00 discount, 8 bulbs = $4.80 discount, 10 bulbs = $8.00 discount)

Expected: Above discounts should apply when a variety of bulbs also are within the discount range

Input: 3 of $1.50 bulbs, 2 of $3.00 bulbs, 0 of $4.00 bulbs, etc. Test each range with various purchase amounts.

Output: According discount (10%, 15%, 20%) should be applied to price of products based on quantity being within discount range.

Expected: Shipping applies when net purchase amount is below $15 & is free when above.

Input: Purchase of 10 $1.50 bulbs = $12 after discount, shipping cost is applied

Purchase of 20 $1.50 bulbs = $24 after discount, shipping is free