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Student: Aditya Singh Sandhu

Course: CSC 500 – Principles of Programming

Module: 8 – Final Portfolio Assignment

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Python3 Code ~

"Screenshot 1," "Main Function Line one and two execution, Input Prompt from user”

Asking for the Grocery Shoppers Name and the format of the data when the shopping is occurring

“Screenshot 2”, “Output of the Name and Date Input from Shopper”

“Screenshot 3”, “The ItemToProcure Function and its Cart Creation Logic”

“Screenshot 4”, “Output on the Concole of the Class ItemToProcure”

“Screenshot 5”, “The GroceryCartAtStore Class, has the add\_product, remove\_product, adjust\_item, get\_num\_items\_in\_cart, get\_cost\_of\_cart, total\_output, print\_descriptions functions that are passed to print menu function to display ”

“Screenshot 6”, “The print\_menu function with the menu, and the ‘if, elif control flow that calls the add\_product function, remove\_product, modify\_product, print\_descriptions ,and print\_total function’s’ from the ShoppingCart Class”

“Screenshot 7”, ”After PASTA Being Added, Menu Displayed, ADD Option Selected via Input, ‘ice cream sandwich’s added, at price 2 and quantity 2, then MENU Displayed again, and IDENTIFY Selected, and CART Displayed with Item Description Function Called. The Menu Displayed again. Next REMOVE Prompt passed to the program, and ice cream sandwich’s removed”

“Screenshot 8”, ”After ice cream sandwich’s are removed, IDENTIFY is passed as an INPUT, to MENU, and the shopping cart is displayed with ice cream sandwich’s no longer part of the cart. Then MENU Displayed again, and MODIFY is Selected, and ‘PASTA’, but in the lower case is passed, and the adjustment is not made, again MODIFY is passed again, with price and quantity 7 and 111 respectively and the adjustment is accepted. MENU is displayed again.”

“Screenshot 9”, ”After the MODIFY function executed, the MENU is dispayed again,and IDENTIFY reveals that the PASTA is at QUANTITY 7, the price was modified to 111 and isn’t displayed, the MENU Displays again, and OUTPUT Selection revels the new Price of PASTA and the totat cost of the cart, then QUIT exits the program”

GITHUB LINK -

**APA citations:**

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