Sami Case

CSC-500 Principles of Programming

Module 4 Portfolio Milestone

**Source Code**

class ItemToPurchase:

def \_\_init\_\_(self, name = "none", price = 0.00,quantity = 0):

self.name = name

self.price = price

self.quantity = quantity

def print\_item\_cost(self):

print('{} {:.0f} @ ${:.2f} = ${:.2f}'.format(self.name,self.quantity,self.price, self.quantity\*self.price))

def main():

total\_cost = 0.0

items = []

num\_items = int(input('Enter the number of items: '))

for i in range(num\_items):

print('\nItem {}'.format(i+1))

name = input('Enter the item name: ')

price = float(input('Enter the item price: $'))

quantity = int(input('Enter the item quantity: '))

item = ItemToPurchase(name, price, quantity)

items.append(item)

total\_cost += item.price \* item.quantity

print('\nTOTAL COST')

for item in items:

item.print\_item\_cost()

print('\nTotal: ${:.2f}'.format(total\_cost))

main()

**Image of Successful Execution**

A screen shot of a computer

Description automatically generated

**GIT Repository**

<https://github.com/samilcase/CSC-500-Assignments>

A screenshot of a computer

Description automatically generated