**Module 6 - Portfolio Milestone Project**

**Online Shopping Cart**

Overview:

To build a python program that can simulate an online shopping cart.

Principles:

* Create online shopping class as skeleton so that you can create objects of that class later.
* Reusability – the methods should be reusable.
* Ease of use
* Reuse the class that I built in module for adding items.
* Initiate the program with base items – item 1 and item 2

Lessons learnt.

* Learnt creating instances of a class.
* How to call class

Challenges faced.

* While writing the modify method I faced issue while updating the items
* The description says modify only if default values are not available.
* So modify wont work if at all you want to change the description or qty or price if default values are already present.

How I overcame the above challenges.

* I have added an override class that can change the quantities also in modify method or if you want to keep the same you can just pass by pressing enter.

Program Flow –

* The problem says start by creating instance of ItemsToPurchase class and add 2 items so I am doing that as an entry point in my main method.
* The requirement is little confusing – I am not sure why we are supposed to write an output for 2 items when we are implementing the cart.add items for everything.
* So I am starting the code with 2 default items, adding them to the cart.
* Starting the customer information
* Finally the Online menu

Execution-

* Entry

A screenshot of a computer program

Description automatically generated

* Asking customer Name and showing menu with customer name in the print menu and also adding previously added items to the cart

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* Add items to the cart.

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* Show description.

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* Change item .

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* Remove

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* Quit

A computer screen shot of a black screen

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Git path - [SchoolPython/CSC\_500\_PrinciplesOfPrograming/Module8/PT\_OnlineShoppingCart.py at main · ArunSaxena200/SchoolPython (github.com)](https://github.com/ArunSaxena200/SchoolPython/blob/main/CSC_500_PrinciplesOfPrograming/Module8/PT_OnlineShoppingCart.py)

Thanks,

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