

Midterm Lab Task 4

Using Dictionary Collections

Problem 1. Create the following UI for menu items: then allow the user to input orders

```
----- MENU -----
pizza      : $3.00
nachos     : $4.50
popcorn    : $6.00
fries      : $2.50
chips      : $1.00
pretzel    : $3.50
soda       : $3.00
lemonade   : $4.25
-----
Select an item (q to quit): pizza
Select an item (q to quit): soda
Select an item (q to quit): q
----- YOUR ORDER -----
pizza soda
Total is: $6.00

Process finished with exit code 0
```

The user will continue to input orders until q is typed to quit. Then display the summary of orders with the total bill.

1. Use a dictionary(for the menu) and List(for the orders in the cart)
2. Users may input the same item in the cart.
3. Follow the exact format and whitespace for the menu
4. User input should be case insensitive
5. If the user inputted an item not in the Menu – it will not include it in the cart and display “Not Available” and input another item
6. Create a MENU with 10 items and assign prices in Peso (php) - You may choose what items you would like to put in your cart

CODE:

```
menu = {"goulash Stew": 200.00,  
        "pelmeni": 250.00,  
        "japche": 150.00,  
        "shawarma": 200.00,  
        "boeuf bourguignon": 300.00,  
        "tikka masala": 200.00,  
        "sushi": 150.00,  
        "apple pie": 100.00,  
        "dumplings & dimsum": 125.00,  
        "tapang kabayo": 999.00}  
  
cart = []  
  
print("----- MENU -----")  
for item, price in menu.items():  
    print(f"{item:<20}: ₱ {price:.2f}")  
print("-----")  
  
while True:  
    order = input("Select an item (q to quit the program): ").lower().strip()  
    if order == "q":  
        break  
    elif order in menu:  
        cart.append(order)  
    else:  
        print("Not Available")  
  
print("----- YOUR ORDER -----")  
total = 0  
for item in cart:  
    print(item)  
    total += menu[item]  
  
print(f"Your Total will be: ₱ {total:.2f}")
```

1st OUTPUT:

```
----- MENU -----
goulash stew      ₱ 200.00
pelmeni           ₱ 250.00
japchae           ₱ 150.00
shawarma          ₱ 200.00
boeuf bourguignon ₱ 300.00
tikka masala      ₱ 200.00
sushi             ₱ 150.00
apple pie         ₱ 100.00
dumplings & dimsum ₱ 125.00
tapang kabayo     ₱ 999.00
-----

Select an item (q to quit the program): apple pie
Select an item (q to quit the program): tapang kabayo
Select an item (q to quit the program): oguri cap
Not Available
Select an item (q to quit the program): pelmeni
Select an item (q to quit the program): q
----- YOUR ORDER -----
apple pie
tapang kabayo
pelmeni
Your Total will be: ₱ 1349.00

=== Code Execution Successful ===
```

2nd OUTPUT:

```
----- MENU -----
goulash stew      ₱ 200.00
pelmeni           ₱ 250.00
japchae           ₱ 150.00
shawarma          ₱ 200.00
boeuf bourguignon ₱ 300.00
tikka masala      ₱ 200.00
sushi             ₱ 150.00
apple pie         ₱ 100.00
dumplings & dimsum ₱ 125.00
tapang kabayo     ₱ 999.00
-----

Select an item (q to quit the program): tamamo cross
Not Available
Select an item (q to quit the program): sushi
Select an item (q to quit the program): tikka masala
Select an item (q to quit the program): pelmeni
Select an item (q to quit the program): goulash stew
Select an item (q to quit the program): q
----- YOUR ORDER -----
sushi
tikka masala
pelmeni
goulash stew
Your Total will be: ₱ 800.00

=== Code Execution Successful ===
```