

Midterm Lab Task 4 - Using Dictionary Collections

Problem:

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

Sample Code:

```
1- menu = {
2     "tapsilog": 100.00,
3     "porksilog": 100.00,
4     "tocilog": 95.50,
5     "hotsilog": 85.00,
6     "bangsilog": 120.00,
7     "hamsilog": 90.50,
8     "lugaw": 30.00,
9     "goto": 40.00,
10    "royal": 25.00,
11    "coke": 25.50
12 }
13
14 print("----- MENU -----")
15 for key, val in menu.items():
16     print(f"{key:<10} : ₱{val:.2f}")
17 print("-----")
18
19 orders = []
20
21 while True:
22     food = input("Select an item (q to quit): ").lower().strip()
23     if food == "q":
24         break
25     elif food in menu.keys():
26         orders.append(food)
27     else:
28         print("Not Available")
29
```

```
29
30 print("----- YOUR ORDER -----")
31 total = 0
32 for order in orders:
33     print(order, end=" ")
34     total += menu[order]
35
36 print(f"\nTotal is: ₱{total:.2f}")
37
38
```

Sample Output:

```
Output
----- MENU -----
tapsilog   : ₱100.00
porksilog  : ₱100.00
tocilog    : ₱95.50
hotsilog   : ₱85.00
bangsilog  : ₱120.00
hamsilog   : ₱90.50
lugaw      : ₱30.00
goto       : ₱40.00
royal      : ₱25.00
coke       : ₱25.50
-----
Select an item (q to quit): tapsilog
Select an item (q to quit): tocilog
Select an item (q to quit): sisigsilog
Not Available
Select an item (q to quit): HAMSILOG
Select an item (q to quit): goto
Select an item (q to quit): royal
Select an item (q to quit): coke
Select an item (q to quit): coke
Select an item (q to quit): q
----- YOUR ORDER -----
tapsilog tocilog hamsilog goto royal coke coke
Total is: ₱402.00

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