

Midterm Lab Task 4

Using Dictionary Collections

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

SAMPLE OUTPUT:

```

----- MENU -----
carbonara : P120
spaghetti : P120
palabok   : P100
pancit canton: P120
pancit bihon: P120
pancit gisado: P120
pizza     : P200
fries     : P80
softdrinks: P40
bottled water: P25
-----
Select an item (q to quit): carbonara
Select an item (q to quit): spaghetti
Select an item (q to quit): fries
Select an item (q to quit): pizza
Select an item (q to quit): softdrinks
Select an item (q to quit): pancit gisado
Select an item (q to quit): q
----- YOUR ORDER -----
carbonara spaghetti fries pizza softdrinks pancit
Total is: P680

...Program finished with exit code 0
Press ENTER to exit console.

```

```

----- MENU -----
carbonara : P120
spaghetti : P120
palabok   : P100
pancit canton: P120
pancit bihon: P120
pancit gisado: P120
pizza     : P200
fries     : P80
softdrinks: P40
bottled water: P25
-----
Select an item (q to quit): lemonade
Not Available
Select an item (q to quit): q
----- YOUR ORDER -----

Total is: P0

...Program finished with exit code 0
Press ENTER to exit console.

```

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:

```
1 menu = {
2     "carbonara": 120,
3     "spaghetti": 120,
4     "palabok": 100,
5     "pancit canton": 120,
6     "pancit bihon": 120,
7     "pancit gisado": 120,
8     "pizza": 200,
9     "fries": 80,
10    "softdrinks": 40,
11    "bottled water": 25
12 }
13
14 print("----- MENU -----")
15 for item, price in menu.items():
16     print(f"{item:<10}: ₱{price}")
17 print("-----")
18
19 order = []
20
21 while True:
22     item = input("Select an item (q to quit): ").lower()
23     if item == 'q':
24         break
25     elif item in menu:
26         order.append(item)
27     else:
28         print("Not Available")
29
30 print("----- YOUR ORDER -----")
31 for item in order:
32     print(item, end=' ')
33 total = sum(menu[i] for i in order)
34 print(f"\nTotal is: ₱{total}")
35
```