

## MIDTERM LAB TASK 4

### I. 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

### II. CODE

```
1  # Menu dictionary
2  menu = {
3      "pizza": 180.00,
4      "nachos": 250.00,
5      "popcorn": 120.00,
6      "fries": 90.00,
7      "chips": 50.00,
8      "pretzel": 140.00,
9      "soda": 60.00,
10     "lemonade": 95.00,
11     "burger": 200.00,
12     "ice cream": 85.00
13 }
14
15 # List to store user's order
16 cart = []
17
18 # Display the menu
19 print("----- MENU -----")
20 for item, price in menu.items():
21     print(f"{item.ljust(10)}: ₱{price:.2f}")
22 print("-----")
23
```

```
24 # Get orders
25 while True:
26     order = input("Select an item (q to quit): ").strip().lower()
27
28     if order == 'q':
29         break
30     elif order in menu:
31         cart.append(order)
32     else:
33         print("Item not available.")
34
35 # Display summary
36 print("\n----- YOUR ORDER -----")
37 if cart:
38     print(", ".join(cart))
39 else:
40     print("No items ordered.")
41
42 total = sum(menu[item] for item in cart)
43 print(f"Total is: ₱{total:.2f}")
44
```

### III. SAMPLE OUTPUT

```
lab_act x
C:\Users\Administrator\PyCharmMiscProje
----- MENU -----
pizza      : ₱180.00
nachos     : ₱250.00
popcorn    : ₱120.00
fries      : ₱90.00
chips      : ₱50.00
pretzel    : ₱140.00
soda       : ₱60.00
lemonade   : ₱95.00
burger     : ₱200.00
ice cream  : ₱85.00
-----
Select an item (q to quit): ice cream
Select an item (q to quit): borgir
Item not available.
Select an item (q to quit): Burger
Select an item (q to quit): q

----- YOUR ORDER -----
ice cream, burger
Total is: ₱285.00

Process finished with exit code 0
```

```
lab_act x
C:\Users\Administrator\PyCharmMiscProje
----- MENU -----
pizza      : ₱180.00
nachos     : ₱250.00
popcorn    : ₱120.00
fries      : ₱90.00
chips      : ₱50.00
pretzel    : ₱140.00
soda       : ₱60.00
lemonade   : ₱95.00
burger     : ₱200.00
ice cream  : ₱85.00
-----
Select an item (q to quit): hamburger
Item not available.
Select an item (q to quit): Lemonade
Select an item (q to quit): PIZZA
Select an item (q to quit): soda
Select an item (q to quit): icecream
Item not available.
Select an item (q to quit): q

----- YOUR ORDER -----
lemonade, pizza, soda
Total is: ₱335.00

Process finished with exit code 0
|
```