

**Mechure, Liann S.**

**BSCS – C204**

**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:**

Midterm Lab 4 > ...

```
1  menu = {
2      "Ice Cream": 150.00,
3      "Chocolate Cake": 350.00,
4      "Strawberry Cake": 350.00,
5      "Matcha Cake": 450.00,
6      "Honey Pancake": 200.00,
7      "Cookie Dough": 150.00,
8      "Bavarian Donut": 100.00,
9      "Strawberry Parfait": 350.00,
10     "Chocolate Parfait": 350.00,
11     "Banana Split": 250.00,
12 }
13
14 print("----- MENU -----")
15 for key, val in menu.items():
16     print(f"{key:<20} : #{val:.2f}")
17 print("-----")
18
19 orders = []
20 menu_lookup = {k.lower(): k for k in menu}
21
22 while True:
23     food = input("Select an Item (q to quit): ").lower().strip()
24     if food == "q":
25         break
26     elif food in menu_lookup:
27         orders.append(menu_lookup[food])
28     else:
29         print("Not Available")
```

```

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

```

### Sample Output:

```

----- MENU -----
Ice Cream      : ₱150.00
Chocolate Cake : ₱350.00
Strawberry Cake : ₱350.00
Matcha Cake    : ₱450.00
Honey Pancake  : ₱200.00
Cookie Dough   : ₱150.00
Bavarian Donut : ₱100.00
Strawberry Parfait : ₱350.00
Chocolate Parfait : ₱350.00
Banana Split   : ₱250.00
-----
Select an Item (q to quit): Ice Cream
Select an Item (q to quit): ice cream
Select an Item (q to quit): chocolate cake
Select an Item (q to quit): hot sauce
Not Available
Select an Item (q to quit): ketchup
Not Available
Select an Item (q to quit): Matcha Cake
Select an Item (q to quit): matcha cake
Select an Item (q to quit): strawberry parfait
Select an Item (q to quit): q
----- ORDER -----
Ice Cream, Ice Cream, Chocolate Cake, Matcha Cake, Matcha Cake, Strawberry Parfait,
Total is: ₱1900.00

```