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C204

LabTask #4: Using Dictionary Collections

```
1 def show_menu(menu): 1 usage
2     print("=== Welcome to the Ordering System ===")
3     print("Here is our MENU:\n")
4     for item, price in menu.items():
5         print(f"item:<15} P{price}")
6     print("\nType the item/s you want to order.\n")
7
8
9 def take_orders(menu): 1 usage
10     cart = [] #List for storing items
11     while True:
12         choice = input("Select an item (q to quit): ").strip().lower() #.strip() to remove white space .lower() to lowercase choice
13         if choice == "q":
14             break
15         if choice in menu:
16             cart.append(choice)
17         else:
18             print("Not Available")
19     return cart
20
```

```
21
22 def show_summary(cart, menu): 1 usage
23     print("\n=== Your Order Summary ===")
24     if cart:
25         total = 0
26         for item in set(cart):
27             qty = cart.count(item)
28             subtotal = menu[item] * qty
29             print(f"item:<15} x{qty} = P{subtotal}")
30             total += subtotal
31         print(f"\nTotal Bill: P{total}")
32     else:
33         print("No items ordered.")
34     print("Thank you for ordering!")
35
```

```
36
37 def main(): 1 usage
38     menu = { #DICTIONARY COLLECTIONS
39         "burger": 80,
40         "fries": 50,
41         "pizza": 150,
42         "hotdog": 40,
43         "spaghetti": 100,
44         "fried chicken": 120,
45         "ice cream": 60,
46         "softdrinks": 30,
47         "coffee": 40,
48         "sandwich": 70
49     }
50
51     show_menu(menu)
52     cart = take_orders(menu)
53     show_summary(cart, menu)
54
55
56 # RUN PROGRAM
57 main()
58
```

=== Welcome to the Ordering System ==
Here is our MENU:

burger	₱80
fries	₱50
pizza	₱150
hotdog	₱40
spaghetti	₱100
fried chicken	₱120
ice cream	₱60
softdrinks	₱30
coffee	₱40
sandwich	₱70

Type the item/s you want to order.

Select an item (q to quit): *HOTDOG*

Select an item (q to quit): *pIzza*

Select an item (q to quit): *FrIeS*

Select an item (q to quit): *q*

=== Your Order Summary ===

hotdog x1 = ₱40

pizza x1 = ₱150

fries x1 = ₱50

Total Bill: ₱240

Thank you for ordering!