

MENU ORDERING SYSTEM



PYTHON

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MENU ORDERING SYSTEM USING PYTHON IN CONSOLE

This project, the Food Ordering System with Source Code, enables users to place online orders for food. The system's advantage is that it quickly takes the customer's order and accurately calculates it to produce a billing receipt. Since the project was created using a terminal program, anyone can use it without having to log in. By pressing the matching keys that are indicated in the menu list, you can access the entire menu. After the customer makes their selections from the menu, the user can take their order and then provide the total cost of the items they selected.

The system will automatically compute the amount of the ordered item as well as any applicable discounts. Any firm that needs some automated ordering can benefit from using this system, including catering businesses. This system can quickly and effectively automate your work so that you can complete customer transactions. The Food Ordering System is a straightforward project that can teach you the fundamentals of Python coding.

MAIN MENU FUNCTION

```
def MainMenu():  
    try:  
        print("")  
        print("-" * 25 + '\33[1m' + "McKopi Cafe" + '\33[0m' + "-" * 25)  
        print("\n")  
        print("[0] FOOD MENU")  
        print("[1] ABOUT US")  
        print("[2] EXIT SYSTEM")  
        print("")  
        print('\33[1m' + "-" * 61 + '\33[0m')
```

PRINT STATEMENTS

CALLING FUNCTION BASED ON
USER INPUT

```
while True:  
    UserInput = input("ENTER SERVICE #: ")  
    if UserInput == '0':  
        print("\n"*25)  
        FoodMenu()  
        break  
    elif UserInput == '1':  
        print("\n"*25)  
        AboutUs()  
        break  
    elif UserInput == '2':  
        print("")  
        print("Thank You For Visiting! Have a Nice Day ^.^")  
        exit()  
    else:  
        print("\n"*7)  
        print("INVALID INPUT, TRY AGAIN")  
        MainMenu()  
  
except Exception:  
    print("INVALID INPUT")  
except KeyboardInterrupt:  
    exit()  
  
MainMenu()
```

CATCHING ERRORS

DISCOUNTING FUNCTION



```
def discountCreditCard(x):  
    discountCreditCard = x * 0.07  
    return discountCreditCard
```

```
def discountSenior(x):  
    discountSenior = x * 0.20  
    return discountSenior
```

```
def discountMember(x):  
    discountMember = x * 0.05  
    return discountMember
```

FUNCTIONS TO DO SPECIFIC DISCOUNT
IN AN ORDER

FOOD MENU FUNCTION

```
def FoodMenu():  
    try:  
        print("")  
        print("-" * 60 + '\33[1m' + "McKopi Cafe" + '\33[0m' + "-" * 60)  
        print("")  
  
        McMenu = {  
            'C1' : 75,    'B1' : 130,    'P1' : 75,  
            'C2' : 75,    'B2' : 130,    'P2' : 85,  
            'C3' : 90,    'B3' : 130,    'P3' : 25,  
            'C4' : 95,    'B4' : 120,    'P4' : 21,  
            'C5' : 95,    'B5' : 120,    'P5' : 31,  
            'C6' : 115,   'B6' : 140,    'P6' : 37,  
            'C7' : 115,   'B7' : 140,    'P7' : 20,  
            'C8' : 115,   'B8' : 140,    'P8' : 17,  
            'C9' : 135,   'B9' : 140,    'P9' : 57,  
            'C10' : 135,  'B10' : 180,   'P10' : 11  
        }
```

HEADER

DICTIONARY AS FOOD CODE
AND PRICE

FOOD MENU FUNCTION

FOOD MENU STYLING

COFFEES PART

```
print('-' * 17 + '\33[93m' + "COFFEES" + '\33[0m' + '-' * 17 + '-' * 20 + '\33[91m' + "BEVERAGES" + '\33[0m' + '-' * 17 + '\33[93m' + "C1 " + '\33[0m' + "-- " + "Macchiato", "PHP ", McMenu["C1"], "\t" + '\33[91m' + "C2 " + '\33[0m' + "-- " + "Iced Americano", "PHP ", McMenu["C2"], "\t" + '\33[91m' + "C3 " + '\33[0m' + "-- " + "Cold Foam Iced Espresso", "PHP ", McMenu["C3"], "\t" + '\33[91m' + "C4 " + '\33[0m' + "-- " + "Caffe Misto", "PHP ", McMenu["C4"], "\t" + '\33[91m' + "C5 " + '\33[0m' + "-- " + "French Vanilla", "PHP ", McMenu["C5"], "\t" + '\33[91m' + "C6 " + '\33[0m' + "-- " + "Hazelnut Mocha Macchiato", "PHP ", McMenu["C6"], "\t" + '\33[91m' + "C7 " + '\33[0m' + "-- " + "Vanilla Latte", "PHP ", McMenu["C7"], "\t" + '\33[91m' + "C8 " + '\33[0m' + "-- " + "White Chocolate Mocha", "PHP ", McMenu["C8"], "\t" + '\33[91m' + "C9 " + '\33[0m' + "-- " + "Cappuccino", "PHP ", McMenu["C9"], "\t" + '\33[91m' + "C10 " + '\33[0m' + "-- " + "Caffe Latte", "PHP ", McMenu["C10"], "\t" + '\33[91m'
```

BEVERAGES PART

```
+ "B1 " + '\33[0m' + "-- " + "Mocha Cashew Butter", "PHP ", McMenu["B1"], "\t" + '\33[95m' + "B2 " + '\33[0m' + "-- " + "Chocolate Hazelnut Milkshake", "PHP ", McMenu["B2"], "\t" + '\33[95m' + "B3 " + '\33[0m' + "-- " + "Pistachio Milkshake", "PHP ", McMenu["B3"], "\t" + '\33[95m' + "B4 " + '\33[0m' + "-- " + "Guava Smoothie", "PHP ", McMenu["B4"], "\t" + '\33[95m' + "B5 " + '\33[0m' + "-- " + "Banana and Honey Smoothie", "PHP ", McMenu["B5"], "\t" + '\33[95m' + "B6 " + '\33[0m' + "-- " + "Pink Lemonade", "PHP ", McMenu["B6"], "\t" + '\33[95m' + "B7 " + '\33[0m' + "-- " + "Waterlemon Ice", "PHP ", McMenu["B7"], "\t" + '\33[95m' + "B8 " + '\33[0m' + "-- " + "Peach White Iced Tea", "PHP ", McMenu["B8"], "\t" + '\33[95m' + "B9 " + '\33[0m' + "-- " + "Pomegranate Juice", "PHP ", McMenu["B9"], "\t" + '\33[95m' + "B10 " + '\33[0m' + "-- " + "Kiwi Margarita", "PHP ", McMenu["B10"], "\t" + '\33[95m'
```

PASTRIES PART

```
"P1 " + '\33[0m' + "-- " + "Chocolate Crossiant", "PHP ", McMenu["P1"])
"P2 " + '\33[0m' + "-- " + "Almond Crossiant", "PHP ", McMenu["P2"])
"P3 " + '\33[0m' + "-- " + "Corn Muffin", "PHP ", McMenu["P3"])
"P4 " + '\33[0m' + "-- " + "Palmier", "PHP ", McMenu["P4"])
"P5 " + '\33[0m' + "-- " + "Apple Fritter", "PHP ", McMenu["P5"])
"P6 " + '\33[0m' + "-- " + "Apple Strudel", "PHP ", McMenu["P6"])
"P7 " + '\33[0m' + "-- " + "Eclair", "PHP ", McMenu["P7"])
"P8 " + '\33[0m' + "-- " + "Beignet", "PHP ", McMenu["P8"])
"P9 " + '\33[0m' + "-- " + "Profiterole", "PHP ", McMenu["P9"])
+ "P10 " + '\33[0m' + "-- " + "Crepe", "PHP ", McMenu["P10"])
```

FOOD MENU FUNCTION

USER PROMPT

USER PROMPT

```
print('\33[1m' + "-" * 131 + '\33[0m')  
print("")  
print('\33[1m' + "ENTER FOOD CODE / TYPE [X] FOR PAYMENT" + '\33[0m')  
print("")
```

VARIABLES DECLARATION

```
x = True  
TotalPrice = 0  
Orders = []  
DiscountPrice = 0  
Discount = 0  
Change = 0
```

WHILE LOOP FOR MULTIPLE ITEM ORDER

```
while x:  
    item = str.upper(input("ENTER FOOD CODE: "))  
    print("")  
    x = item
```

DECLARING 'X' AS FALSE TO PROCEED TO PAYMENT

```
if x == 'X':  
    x = False  
    Amount = float(input("ENTER AMOUNT: "))
```

FOOD MENU FUNCTION

DISCOUNTING (CALLING ALL
DISCOUNT FUNCTIONS)

IF NO DISCOUNT WAS APPLIED

```
print("")
print("-----DISCOUNT-----")
print("[S] Senior Citizen/PWD")
print("[M] Club Member")
print("[C] Credit Card Payment")
print("[N] None")
print("")
discount = str.upper(input("APPLY DISCOUNT: "))
print("")
if discount == 'S':
    DiscountPrice = TotalPrice - (discountSenior(TotalPrice))
    Discount = discountSenior(TotalPrice)
elif discount == 'M':
    DiscountPrice = TotalPrice - (discountMember(TotalPrice))
    Discount = discountMember(TotalPrice)
elif discount == 'C':
    DiscountPrice = TotalPrice - (discountCreditCard(TotalPrice))
    Discount = discountCreditCard(TotalPrice)
else:
    TotalPrice += (McMenu[item])
    Orders.append(item)
```


FOOD MENU FUNCTION

ORDER SUMMARIZATION/RECEIPT

LISTING ALL ORDERED ITEMS

ADJUSTING CUSTOMER'S CHANGE IF OR IF NOT
DISCOUNT WAS APPLIED

ADJUSTING VALUES IF THERE IS A DISCOUNT,
OR NONE IF NO DISCOUNT WAS APPLIED

```
print('\33[1m' + "*****ORDER SUMMARY*****" + '\33[0m')
print("# \t\t" + "FOOD CODE\t\t" + "PRICE")

for i in range(len(Orders)):
    print(str(i + 1) + "\t\t" + Orders[i].title() + "\t\t\t\tPHP " + str(McMenu[Orders[i]]))

if discount == 'N':
    Change = Amount - TotalPrice
else:
    Change = Amount - DiscountPrice

print("-----")
print("AMOUNT:                " + "PHP " + str(round(Amount, 2)))
print("TOTAL PRICE:          " + "PHP " + str(round(TotalPrice, 2)))
print("")
if DiscountPrice <= 0:
    print("DISCOUNTED PRICE:    " + '\33[92m' + "NONE" + '\33[0m')
    print("TOTAL DISCOUNT:       " + '\33[91m' + "NONE" + '\33[0m')
    print("CHANGE:                 " + "PHP " + str(round(Change, 2)))
else:
    print("DISCOUNTED PRICE:    " + '\33[92m' + "PHP " + str(round(DiscountPrice, 2)) + '\33[0m')
    print("TOTAL DISCOUNT:     " + '\33[91m' + "-PHP " + str(round(Discount, 2)) + '\33[0m')
    print("CHANGE:                 " + "PHP " + str(round(Change, 2)))

print("")
print("-----")
```

FOOD MENU FUNCTION

ORDER SUMMARIZATION/RECEIPT

RANDOM NUMBER GENERATOR FOR RECEIPT NUMBER

DISPLAYING TYPE OF DISCOUNT WAS APPLIED

RANDOM NUMBER GENERATOR FOR RESTROOM CODE

```
ReceiptNum = random.randint(000000, 999999)
if discount == 'S':
    print("DISCOUNT TYPE: Senior Citizen/PWD [20%]")
if discount == 'M':
    print("DISCOUNT TYPE: Club Member [5%]")
if discount == 'C':
    print("DISCOUNT TYPE: Credit Card Payment [7%]")
if discount == 'N':
    print("DISCOUNT TYPE: None")
print("")
print("Receipt No. [" + str(ReceiptNum) + "]")
print("")
print("WI-FI CODE: McKopi2002")

Y = random.randint(000, 999)
print("")
print("REST ROOM CODE: " + str(Y))
```

FOOD MENU FUNCTION

RECEIPT

RECEIPT'S FOOTER

```
print("")
print("-----")
print("")
print("\t\t THANKS FOR ORDERING!")
print("")
print("-----McKopi Company-----")
print("-----2022-----")
print("")
print("*****")
print("                mckopicompany.com")
print("                1234 San Marcelino Street\n"
      "                Ermita Manila\n"
      "*****\n"
      "                Tel-No.\n"
      "                02-778999")
print("")
```

USER'S OPTION TO GO BACK TO PROGRAM'S MAIN MENU

```
UserBack = str.upper(input("PRESS [X] FOR MAIN MENU: "))
if UserBack == 'X':
    MainMenu()
```

FOOD MENU FUNCTION

EXCEPTIONS

CATCHING POSSIBLE ERROR/S WITHOUT PROGRAM CRASH

```
except Exception:  
    print("INVALID INPUT")  
    MainMenu()  
  
except KeyboardInterrupt:  
    exit()
```

FORMALITY

```
def AboutUs():  
    print('\33[1m' + "-----ABOUT McKopi Cafe-----" + '\33[0m')  
    print("")  
    print("\t\t      Hi Welcome to McKopi Cafe!")  
    print("")  
    print("\t\tThe first McKopi Cafe officially opened in ")  
    print("\t\t 2022 on San Marcelino Street in Malate, ")  
    print("\t\t Manila. For our coffee, we provide our ")  
    print("\t\t famous, premium fresh-roasted beans and ")  
    print("\t\t for our non-coffee beverages, we ")  
    print("\t\t provide freshly harvested fruits. We also ")  
    print("\t\thave our delectable pastries that you will ")  
    print("\t\t always seek for.")  
    print("")  
    print("\t\tWe value the relationship between our cafe ")  
    print("\t\t and our customers. We also want them to ")  
    print("\t\tfeel comfortable and at ease, during their ")  
    print("\t\t stay, so customers can have a memorable ")  
    print("\t\t experience in McKopi.")  
    print("")  
    try:  
        UserBack = str.upper(input("PRESS [X] FOR MAIN MENU: "))  
        if UserBack == 'X':  
            MainMenu()  
    except Exception:  
        print("INVALID INPUT")  
    except KeyboardInterrupt:  
        exit()
```

MAIN MENU FUNCTION

OUTPUT

```
-----McKopi Cafe-----  
  
[0] FOOD MENU  
[1] ABOUT US  
[2] EXIT SYSTEM  
  
-----  
ENTER SERVICE #: |
```

MENU DISPLAY OUTPUT

[illegible]

FOOD MENU FUNCTION

ORDERING OUTPUT

```
ENTER FOOD CODE / TYPE [X] FOR PAYMENT

ENTER FOOD CODE: C1

ENTER FOOD CODE: P1

ENTER FOOD CODE: B5

ENTER FOOD CODE: B10

ENTER FOOD CODE: C10

ENTER FOOD CODE: X

ENTER AMOUNT: 1000

-----DISCOUNT-----
[S] Senior Citizen/PWD
[M] Club Member
[C] Credit Card Payment
[N] None

APPLY DISCOUNT: S
```


FOOD MENU FUNCTION

DISCOUNTED ORDER SUMMARY OUTPUT

*****ORDER SUMMARY*****		
#	FOOD CODE	PRICE
1	C1	PHP 75
2	P1	PHP 75
3	B5	PHP 120
4	B10	PHP 180
5	C10	PHP 135

AMOUNT:		PHP 1000.0
TOTAL PRICE:		PHP 585
DISCOUNTED PRICE:		PHP 544.05
TOTAL DISCOUNT:		-PHP 40.95
CHANGE:		PHP 455.95

DISCOUNT TYPE: Credit Card Payment [7%]		
Receipt No. [562967]		
WI-FI CODE: McKopi2002		
REST ROOM CODE: 811		

THANKS FOR ORDERING!		
-----McKopi Company-----		
-----2022-----		

mckopicompany.com		
1234 San Marcelino Street		
Ermita Manila		

Tel-No.		
02-778999		

*****ORDER SUMMARY*****		
#	FOOD CODE	PRICE
1	C1	PHP 75
2	P1	PHP 75
3	B5	PHP 120
4	B10	PHP 180
5	C10	PHP 135

AMOUNT:		PHP 1000.0
TOTAL PRICE:		PHP 585
DISCOUNTED PRICE:		PHP 555.75
TOTAL DISCOUNT:		-PHP 29.25
CHANGE:		PHP 444.25

DISCOUNT TYPE: Club Member [5%]		
Receipt No. [338106]		
WI-FI CODE: McKopi2002		
REST ROOM CODE: 6		

THANKS FOR ORDERING!		
-----McKopi Company-----		
-----2022-----		

mckopicompany.com		
1234 San Marcelino Street		
Ermita Manila		

Tel-No.		
02-778999		

*****ORDER SUMMARY*****		
#	FOOD CODE	PRICE
1	C1	PHP 75
2	P1	PHP 75
3	B5	PHP 120
4	B10	PHP 180
5	C10	PHP 135

AMOUNT:		PHP 1000.0
TOTAL PRICE:		PHP 585
DISCOUNTED PRICE:		PHP 468.0
TOTAL DISCOUNT:		-PHP 117.0
CHANGE:		PHP 532.0

DISCOUNT TYPE: Senior Citizen/PWD [20%]		
Receipt No. [309343]		
WI-FI CODE: McKopi2002		
REST ROOM CODE: 43		

THANKS FOR ORDERING!		
-----McKopi Company-----		
-----2022-----		

mckopicompany.com		
1234 San Marcelino Street		
Ermita Manila		

Tel-No.		
02-778999		

FOOD MENU FUNCTION

NON-DISCOUNTED ORDER SUMMARY OUTPUT

*****ORDER SUMMARY*****		
#	FOOD CODE	PRICE
1	C1	PHP 75
2	P1	PHP 75
3	B5	PHP 120
4	B10	PHP 180
5	C10	PHP 135

AMOUNT:		PHP 1000.0
TOTAL PRICE:		PHP 585
DISCOUNTED PRICE:		NONE
TOTAL DISCOUNT:		NONE
CHANGE:		PHP 415.0

DISCOUNT TYPE: None		
Receipt No. [289341]		
WI-FI CODE: McKopi2002		
REST ROOM CODE: 820		

THANKS FOR ORDERING!		
-----McKopi Company-----		
-----2022-----		

mckopicompany.com		
1234 San Marcelino Street		
Ermita Manila		

Tel-No.		
02-778999		

ABOUT US FUNCTION

OUTPUT

```
-----ABOUT McKopi Cafe-----  
  
Hi Welcome to McKopi Cafe!  
  
The first McKopi Cafe officially opened in  
2022 on San Marcelino Street in Malate,  
Manila. For our coffee, we provide our  
famous, premium fresh-roasted beans and  
for our non-coffee beverages, we  
provide freshly harvested fruits. We also  
have our delectable pastries that you will  
always seek for.  
  
We value the relationship between our cafe  
and our customers. We also want them to  
feel comfortable and at ease, during their  
stay, so customers can have a memorable  
experience in McKopi.  
  
PRESS [X] FOR MAIN MENU: |
```

CATCHING ERRORS

MAIN MENU

```
-----McKopi Cafe-----  
  
[0] FOOD MENU  
[1] ABOUT US  
[2] EXIT SYSTEM  
  
-----  
ENTER SERVICE #: ONE  
  
  
  
  
  
  
  
  
  
INVALID INPUT, TRY AGAIN  
  
-----McKopi Cafe-----  
  
[0] FOOD MENU  
[1] ABOUT US  
[2] EXIT SYSTEM  
  
-----  
ENTER SERVICE #:
```

CATCHING ERRORS

FOOD MENU

REDIRECTING USER TO MAIN MENU AGAIN

ENTER FOOD CODE / TYPE [X] FOR PAYMENT

ENTER FOOD CODE: *B ONE*

INVALID INPUT

-----McKopi Cafe-----

[0] FOOD MENU

[1] ABOUT US

[2] EXIT SYSTEM

ENTER SERVICE #: |

ENTER AMOUNT: *FIVE HUNDRED*

INVALID INPUT

-----McKopi Cafe-----

[0] FOOD MENU

[1] ABOUT US

[2] EXIT SYSTEM

ENTER SERVICE #:

THANK YOU

GROUP # 3

KC COLANGO

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