

DEMANDEST-AI POWERED FOOD DEMAND FORECASTER

TEAM ID : PNT2022TMID47942

Python coding:(Sprint 2)

```
def def_other_services():  
  
    while True:  
  
        print("'" * 29 + "OTHER SERVICES" + "'" * 29)  
  
        print(" |NO| |SERVICE NAME| |PRICE|")  
  
        i = 0  
  
        while i < len(list_services):  
  
            print(" (" + str(81 + i) + ")" + " " + str(list_services[i]))  
  
            i += 1  
  
        print("\n (M) MAIN MENU (P) PAYMENT (E) EXIT\n" + "_" * 72)  
  
        input_1 = input("Please Select Your Operation: ").upper()  
  
        if (input_1 == 'M'):  
  
            print("\n" * 10)  
  
            def_main()  
  
            break  
  
        if (input_1 == 'E'):  
  
            print("'" * 32 + "THANK YOU" + "'" * 31 + "\n")  
  
            break  
  
        if (input_1 == 'P'):  
  
            print("\n" * 10)  
  
            def_payment()  
  
            break
```

```

try:

int(input_1)

if (int(input_1) > 80) and (int(input_1) < 100):

print("\n" * 10)

print("Successfully Ordered: " + str(list_services[int(input_1) - 81]))

list_item_order[int(input_1) - 1] = 1

def_other_services()

break

else:

print("\n" * 10 + "ERROR: Invalid Input (" + str(input_1) + "). Try again!")

except:

print("\n" * 10 + "ERROR: Invalid Input (" + str(input_1) + "). Try again!")

def def_report():

while True:

print("*" * 33 + "REPORT" + "*" * 33 + "\n")

file_report = open('files'+navigator_symbol+'report.fsd', 'r').read()

print(file_report)

print("\n(M) MAIN MENU (E) EXIT\n" + "_" * 72)

input_1 = str(input("Please Select Your Operation: ")).upper()

if (input_1 == 'M'):

print("\n" * 10)


def _main()

break

elif (input_1 == 'E'):

print("*" * 32 + "THANK YOU" + "*" * 31 + "\n")

```

```

break

else:

    print("\n" * 10 + "ERROR: Invalid Input (" + str(input_1) + "). Try again!")

def def_payment():

    while True:

        print("*" * 32 + "PAYMENT" + "*" * 33 + "\n")

        total_price = 0

        report_new = "\n\n\n" + " " * 17 + "*" * 35 + "\n" + " " * 17 + "DATE: " +
        str(datetime.datetime.now())[19] + "\n" + " " * 17 + "-" * 35

        i = 0

        while i < len(list_item_order):

            if(list_item_order[i] != 0):

                if (i >= 0) and (i < 40):

                    report_new += "\n" + " " * 17 + str(list_foods[i]) + " x " + str(list_item_order[i])

                    print(" " * 17 + str(list_foods[i]) + " x " + str(list_item_order[i]))

                    total_price += list_item_price[i] * list_item_order[i]

                    if (i >= 40) and (i < 80):

                        report_new += "\n" + " " * 17 + str(list_drinks[i - 40]) + " x " + str(list_item_order[i])

                        print(" " * 17 + str(list_drinks[i - 40]) + " x " + str(list_item_order[i]))

                        total_price += list_item_price[i] * list_item_order[i]

                        if (i >= 80) and (i < 100):

                            report_new += "\n" + " " * 17 + str(list_services[i - 80])

                            print(" " * 17 + str(list_services[i - 80]))

                            total_price += list_item_price[i] * list_item_order[i]

                            i += 1

```

else:

i += 1

if total_price > var_discount_3:

total_price -= total_price * var_discount_3_rate

report_new += "\n" + " " * 17 + "-" * 35 + "\n" \

"" + " " * 17 + "DISCOUNT RATES: % " + str(var_discount_3_rate * 100) + "\n" \

"" + " " * 17 + "DISCOUNT AMOUNTS: \$ " + str(round(total_price * var_discount_3_rate, 2)) +

"\n" + " " * 17 + "_ " * 35 + "\n" \

"" + " " * 17 + "TOTAL PRICES: \$ " + str(round(total_price, 2)) + "\n" + " " * 17 + "*" * 35

print(" " * 17 + "-" * 35 + "\n"

"" + " " * 17 + "DISCOUNT RATES: % " + str(var_discount_3_rate * 100) + "\n"

"" + " " * 17 + "DISCOUNT AMOUNTS: \$ " + str(round(total_price * var_discount_3_rate, 2)) +

"\n" + " " * 17 + "_ " * 35 + "\n"

"" + " " * 17 + "TOTAL PRICES: \$ " + str(round(total_price, 2)))

elif total_price > var_discount_2:

total_price -= total_price * var_discount_2_rate

report_new += "\n" + " " * 17 + "-" * 35 + "\n" \

"" + " " * 17 + "DISCOUNT RATES: % " + str(var_discount_2_rate * 100) + "\n" \

"" + " " * 17 + "DISCOUNT AMOUNTS: \$ " + str(round(total_price * var_discount_2_rate, 2)) +

"\n" + " " * 17 + "_ " * 35 + "\n" \

"" + " " * 17 + "TOTAL PRICES: \$ " + str(round(total_price, 2)) + "\n" + " " * 17 + "*" * 35

print(" " * 17 + "-" * 35 + "\n"

"" + " " * 17 + "DISCOUNT RATES: % " + str(var_discount_2_rate * 100) + "\n"

"" + " " * 17 + "DISCOUNT AMOUNTS: \$ " + str(round(total_price * var_discount_2_rate, 2)) +

```

"\n" + " " * 17 + "_" * 35 + "\n"

"" + " " * 17 + "TOTAL PRICES: $ " + str(round(total_price, 2)))

elif total_price > var_discount_1:

total_price -= total_price * var_discount_1_rate

report_new += "\n" + " " * 17 + "-" * 35 + "\n" \

"" + " " * 17 + "DISCOUNT RATES: % " + str(var_discount_1_rate * 100) + "\n" \

"" + " " * 17 + "DISCOUNT AMOUNTS: $ " + str(round(total_price * var_discount_1_rate, 2)) +

"\n" + " " * 17 + "_" * 35 + "\n" \

"" + " " * 17 + "TOTAL PRICES: $ " + str(round(total_price, 2)) + "\n" + " " * 17 + "*" * 35

print(" " * 17 + "-" * 35 + "\n"

"" + " " * 17 + "DISCOUNT RATES: % " + str(var_discount_1_rate * 100) + "\n"

"" + " " * 17 + "DISCOUNT AMOUNTS: $ " + str(round(total_price * var_discount_1_rate, 2)) +

"\n" + " " * 17 + "_" * 35 + "\n"

"" + " " * 17 + "TOTAL PRICES: $ " + str(round(total_price, 2)))

else:

report_new += "\n" + " " * 17 + "-" * 35 + "\n" + " " * 17 + "TOTAL PRICES: $ " +

str(round(total_price, 2)) + "\n" + " " * 17 + "*" * 35

print(" " * 17 + "_" * 35 + "\n" + " " * 17 + "TOTAL PRICES: $ " + str(round(total_price, 2)))

print("\n (P) PAY (M) MAIN MENU (R) REPORT (E) EXIT\n" + "_" * 72)

input_1 = str(input("Please Select Your Operation: ")).upper()

if (input_1 == 'P'):

print("\n" * 10)

print("Successfully Paid!")

file_report = open('files'+navigator_symbol+'report.fsd', 'a')

file_report.write(report_new)

```

```
file_report.close()

def_default()

elif (input_1 == 'M'):

print("\n" * 10)

def_main()

break

elif (input_1 == 'R'):

print("\n" * 10)

def_report()

break

elif ('E' in input_1) or ('e' in input_1):

print("*" * 32 + "THANK YOU" + "*" * 31 + "\n")

break

else:

print("\n" * 10 + "ERROR: Invalid Input (" + str(input_1) + "). Try again!")

def_main()
```

Output:



