< Project 4 >

1612759 화학과 양현지

```
Enter menu's name: coffee
Enter the initial quantity of menu: 3
Enter category (DRINK or FOOD): drink
Do you want to continue (Y/N)? y
Enter menu's name: cake
Enter the initial quantity of menu: 4
Enter category (DRINK or FOOD): food
Enter warming option (WARM or COLD): cold
Do you want to continue (Y/N)? y
Enter menu's name: tea
Enter the initial quantity of menu: 3
Enter category (DRINK or FOOD): drink
Do you want to continue (Y/N)? n
*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
   Welcome to the Galaxy cafe
*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
< Menu >
1 ) cake(quantity=4)
2 ) coffee(quantity=3)
3 ) tea(quantity=3)
Make a selection from the menu: █
```

You input menu's name, quantity, category, option.
If you input n, the menu completed, and order display start.

```
Enter menu's name: COFFEE
Enter the initial quantity of menu: DDDD
ERROR
Enter menu's name: COFFEE
Enter the initial quantity of menu: 3
Enter category (DRINK or FOOD): DKDKDKD
ERROR

Enter menu's name: █
```

IF you input not int quantity, error displayed and menu question is repeated.
IF you input not drink or food, error displayed and menu question is repeated

```
Do you want to continue (Y/N)? n
*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
   Welcome to the Galaxy cafe
*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
< Menu >
1 ) cake(quantity=4)
2 ) coffee(quantity=3)
3 ) tea(quantity=3)
Make a selection from the menu: 4
Wrong number! Choose number

*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
   Welcome to the Galaxy cafe
*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
< Menu >
1 ) cake(quantity=4)
2 ) coffee(quantity=3)
3 ) tea(quantity=3)
Make a selection from the menu: █
```

Until you ordered right number, order question is repeated.

```
   Welcome to the Galaxy cafe
*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
< Menu >
1 ) cake(quantity=4)
2 ) coffee(quantity=3)
3 ) tea(quantity=3)
Make a selection from the menu: 3
You choosed tea(quantity=3)

Give quantity of coffee: 3
Here you are
*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
   Welcome to the Galaxy cafe
*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
< Menu >
1 ) cake(quantity=4)
2 ) coffee(quantity=3)
Make a selection from the menu: 1
You choosed cake(quantity=4)

Give quantity of coffee: 4
Here you are
*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
   Welcome to the Galaxy cafe
*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
< Menu >
1 ) coffee(quantity=3)
Make a selection from the menu: 1
You choosed coffee(quantity=3)

Give quantity of coffee: 3
Here you are
*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
   Welcome to the Galaxy cafe
*-*-*-*-*-*-*-*-*-*-*-*-*-*-*-
< Menu >

***Cafe closed***
```
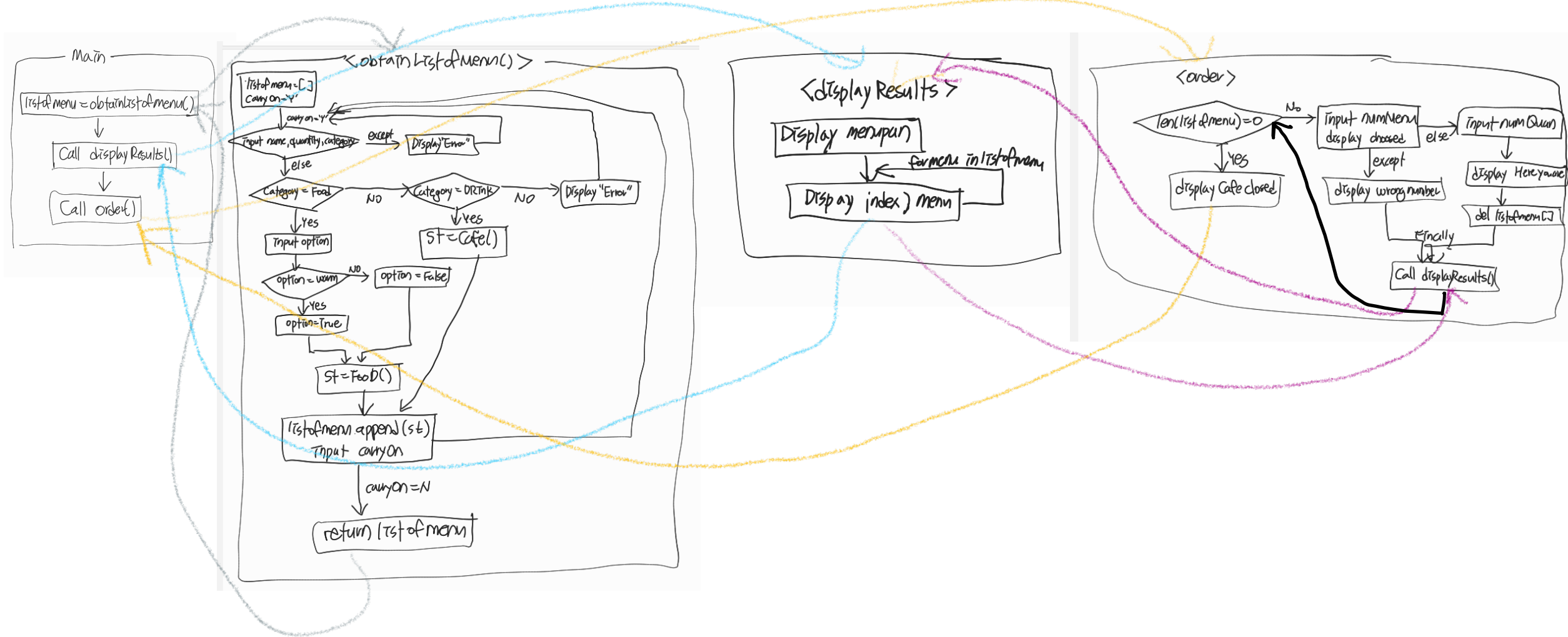
Menu's quantity is 0, list is deleted.
All menu is 0, displayed café closed.

Code

Main

listofmenu = obtainlistofmenu()

↓

Call displayResults()

↓

Call order()

< obtainlistofmenu() >

listofmenu = [ ]
carryon = 'Y'

carryon = 'Y' →

Input name, quantity, category — except → Display "Error"

↓ else

Category = Food — NO → Category = DRInk — NO → Display "Error"

↓ Yes   ↓ Yes

Input option   St = Cafe()

↓

option = warm — NO → option = False

↓ Yes

option = True

↓

St = FooD()

↓

listofmenu.append(st)
Input carryOn

↓ carryon = N

return listofmenu

< display Results >

Display menupan

↓ for menu in listofmenu

Display index) menu

< order >

len(listofmenu) = 0 — No → Input numMenu
display chosen — else → Input numQuan

↓ Yes   ↓ except   ↓

display Cafe closed   display wrong number   display Hereyouare

↓

del listofmenu[ ]

↓ Finally

Call displayResults()

Flow chart