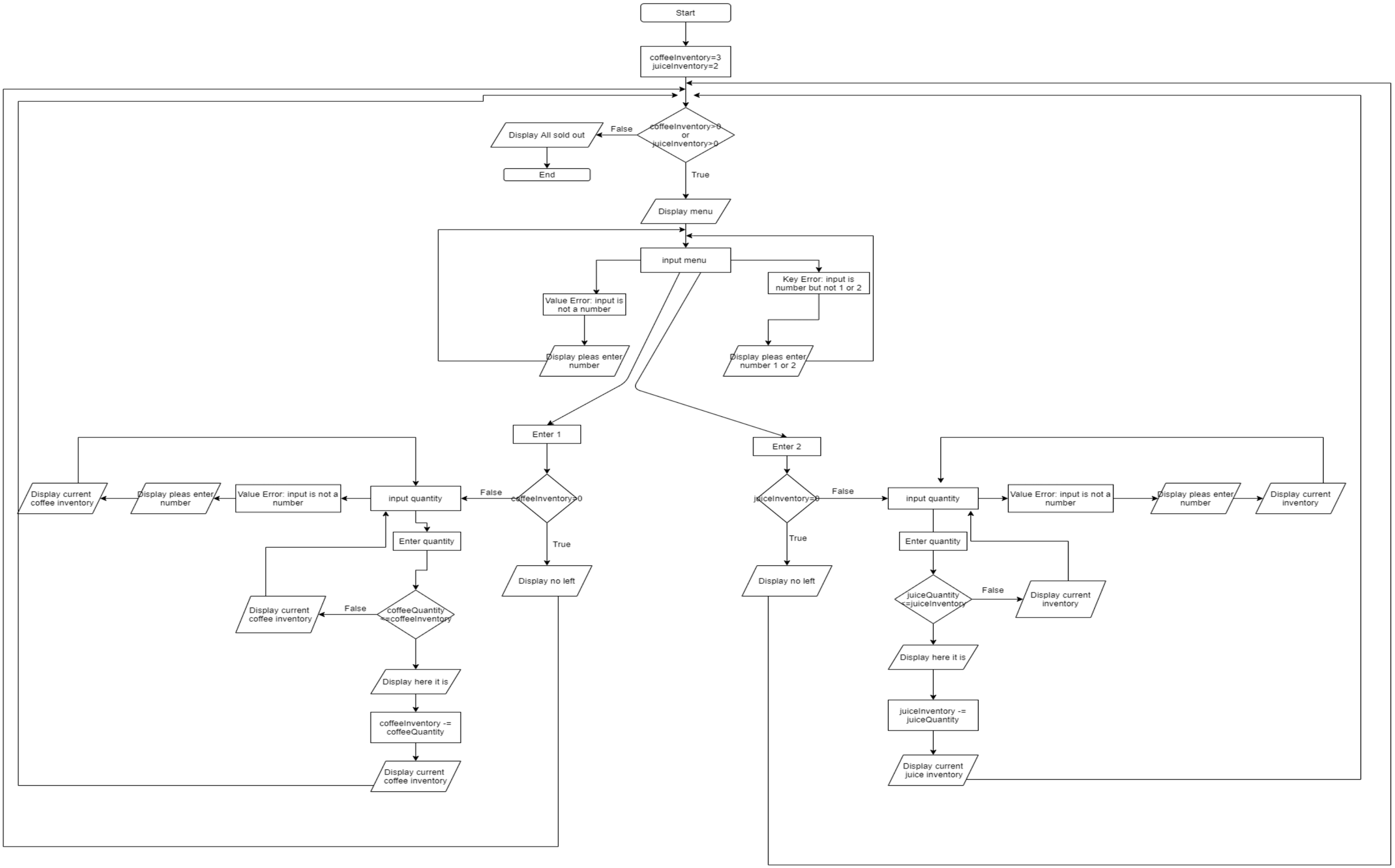
1911330 이민정

1. Flow chart



2. Result explanation

```
**********************
     Hello Cafe
**********************
1. Coffee
2. Juice

Please enter a menu 1 or 2:1
You chose Coffee
Please give a quantity.
```

If you enter 1 or 2 to select a menu in first try, tell them the selected menu and ask for the amount using else.

```
********************
    Hello Cafe
********************
1. Coffee
2. Juice

Please enter a menu 1 or 2:4
There are only 1 and 2 on the menu. Please enter a valid menu number.
********************
    Hello Cafe
********************
1. Coffee
2. Juice

Please enter a menu 1 or 2:
```

If you enter a menu number that is not on the menu, it is key error. There are only 1 and 2 on the menu, so ask them to enter the corresponding number using exception.

```
**********************
     Hello Cafe
**********************
1. Coffee
2. Juice

Please enter a menu 1 or 2:hello
Please enter a number for the menu.
**********************
     Hello Cafe
**********************
1. Coffee
2. Juice

Please enter a menu 1 or 2:
Please enter a number for the menu.
```

When non-numeric character is entered, or the enter is pressed, or the space bar is pressed, value error occurs. Asking to enter the correct number using exception.

```
Please enter a menu 1 or 2:1
You chose Coffee
Please give a quantity.asd
You have to enter a right quantity of menu in number
3 coffee is(are) left.
Please give a quantity.
You have to enter a right quantity of menu in number
3 coffee is(are) left.
```

If the menu number is entered correctly, the quantity is entered in another second try. A value error occurs when a character is entered instead of a number, or enter is entered, or enter a space bar. Asking to enter the correct quantity of number using exception. After this course, showing the inventory of selected menu using finally.

```
Please give a quantity.2
Here it is.
1 coffee is(are) left.
```

If the correct quantity is entered using a number, the order receiving process is successful. Afterwards, it shows inventory of the selected menu after ordering using finally.

```
Please enter a menu 1 or 2:1
You chose Coffee
Please give a quantity.4
1 coffee is(are) left.
Please give a quantity.
```

In the second try, if you enter more quantity than inventory, inform the current inventory through finally and receive the quantity again.

```
Please enter a menu 1 or 2:2
You chose Juice
Please give a quantity.1
Here it is.
1 juice is(are) left.
```

In the second try, if you enter the quantity below the inventory, you will get the order. After that, minus the order from the inventory, and the remaining inventory is informed through finally.

```
Please enter a menu 1 or 2:1
You chose Coffee
There is no coffee left.
```

If you choose a menu that is out of stock, let us know that it is out of stock.

```
##############################################
All sold out. Thank you for using "Hello Cafe".
##############################################
```

If both menus are out of stock, cafe will be closed.