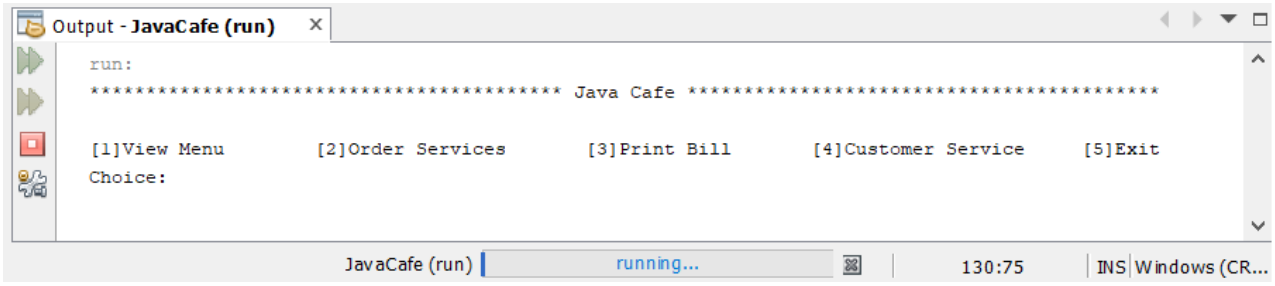
CAFE

JAVA

PROJECT DETAILS:

When run code, The interface will appear with 5 choices.



1. Choice 1: View Menu

```
Choice: 1
********* Menu *********
ID      NAME        PRICE
1       Mocha       15.0
2       Latte       18.0
3       Black       5.0
4       Bagel       19.0
5       Bread       6.0
6       Donut       13.0
Want to See information about proudect?
[1]Yes      [2]No
Choice:
```

With the possibility to see more information about the products.

1.1 Ex for choice 1 (yes):

```
Want to See information about proudect?
[1]Yes      [2]No
Choice: 1
Enter ID of proudect: 3

********** Proudect Info **********
Black
Place of Origin: South Africa
Calories: 2
Description: Coffee with no milk, milk substitute, or cream added
```

Will ask for ID of product then view the information.

2. Choice 2: Order Services

```
Choice: 2
[1]Add Order     [2]Display Order      [3]Cancel Order     [4]Back
Choice:
```

The interface for order services will appear with 4 choices.

2.1 Choice 1: Add Order

```
Choice: 1
New Order?
[1]yes       [2]any number for no
Choice:
```

First will ask is it is new order or not (To make sure different orders does not overlap) (All choices allow to add new\more products).

2.1.1 Ex for choice 1 (yes):

```
Choice: 1
[1]Add from Coffee Type      [2]Add from Bakery Type       [3]Back
Choice: 1
[1]Mocha    [2]Latte     [3]Black
Choice: 2
Enter Latte Coffee quantity : 1
[1]Add from Coffee Type      [2]Add from Bakery Type       [3]Back
Choice: 2
[1]Bagel    [2]Bread     [3]Dount
Choice: 3
Enter Dount quantity : 2
[1]Add from Coffee Type      [2]Add from Bakery Type       [3]Back
Choice: 3
```

It continues ask to add product until press 3 (To back) (if enter wrong number invalid message appear).

2.2 Choice 2: Display Order

```
Choice: 2
********************** The Order **********************
1. Name: Latte     Price: 18.0    Quantity: 1
2. Name: Donut     Price: 13.0    Quantity: 2
```

Print all order with ID product bill, name, price, and quantity. (if enter invalid ID invalid message will appear)

2.3 Choice 3: Cancel Order

```
Choice: 3
[1]cancel some Proudect in Order      [2]Back
Choice: 1
Enter the ID of order
ID of order to remove: 2
[1]From Coffee     [2]From Bakery
Choice: 2
Order after Cancel:
********************** The Order **********************
1. Name: Latte     Price: 18.0    Quantity: 1
```

Ask for ID product then remove it and print updated order after canceled.

2.4 Choice 4: for Back

```
Choice: 4

[1]View Menu        [2]Order Services       [3]Print Bill       [4]Customer Service      [5]Exit
Choice:
```

2.5 Otherwise: Invalid Message

```
Choice: 6
Wrong Number Try again !!
```

3. Choice 3: Print Bill

```
Choice: 3
************************ Bill ****************************
Sub Price: 18.0 SAR
Tax: 15%
Total Price: 20.7 SAR
********************** The Order **********************
1. Name: Latte     Price: 18.0    Quantity: 1
```

Print bill with subtotal, tax, total price, and order information.

4. Choice 4: Customer Service

```
Choice: 4
[1]Rate Customer Service     [2]Payment Customer Service     [3]Back
Choice:
```

The interface for customer services will appear with 3 choices.

4.1 Choice 1: Rate

```
Choice: 1
How do you rate our customer service?
[1]Excellent     [2]Average       [3]Poor
Choice: 1
Thanks for rating, this will help us to improve our service
```

- Ask for customer rate with 3 choices, if enter valid number thanks message will appear.
- If enter wrong number invalid message will appear.

```
[1]Excellent     [2]Average       [3]Poor
Choice: 5
invalied number, Try again
```

4.2 Choice 2: Payment

```
[1]Pay for Order     [2]Back
Choice:
```

Have 2 choices (1) for Pay, (2) for Back

4.2.1 Ex: for choice 1

```
Choice: 1
successful payment?
[1]yes      [2]No
Choice: 1
Thanks for Purchasing
```

If payment is successful, thanks message will appear.

```
successful payment?
[1]yes      [2]No
Choice: 2
Unsuccessful Payment, Try again
```

- If payment is unsuccessful, failed message will appear.
- Otherwise, for enter invalid number, invalid message will appear.

4.3 Choice 3: Back

```
Choice: 3

[1]View Menu        [2]Order Services       [3]Print Bill       [4]Customer Service     [5]Exit
Choice:
```

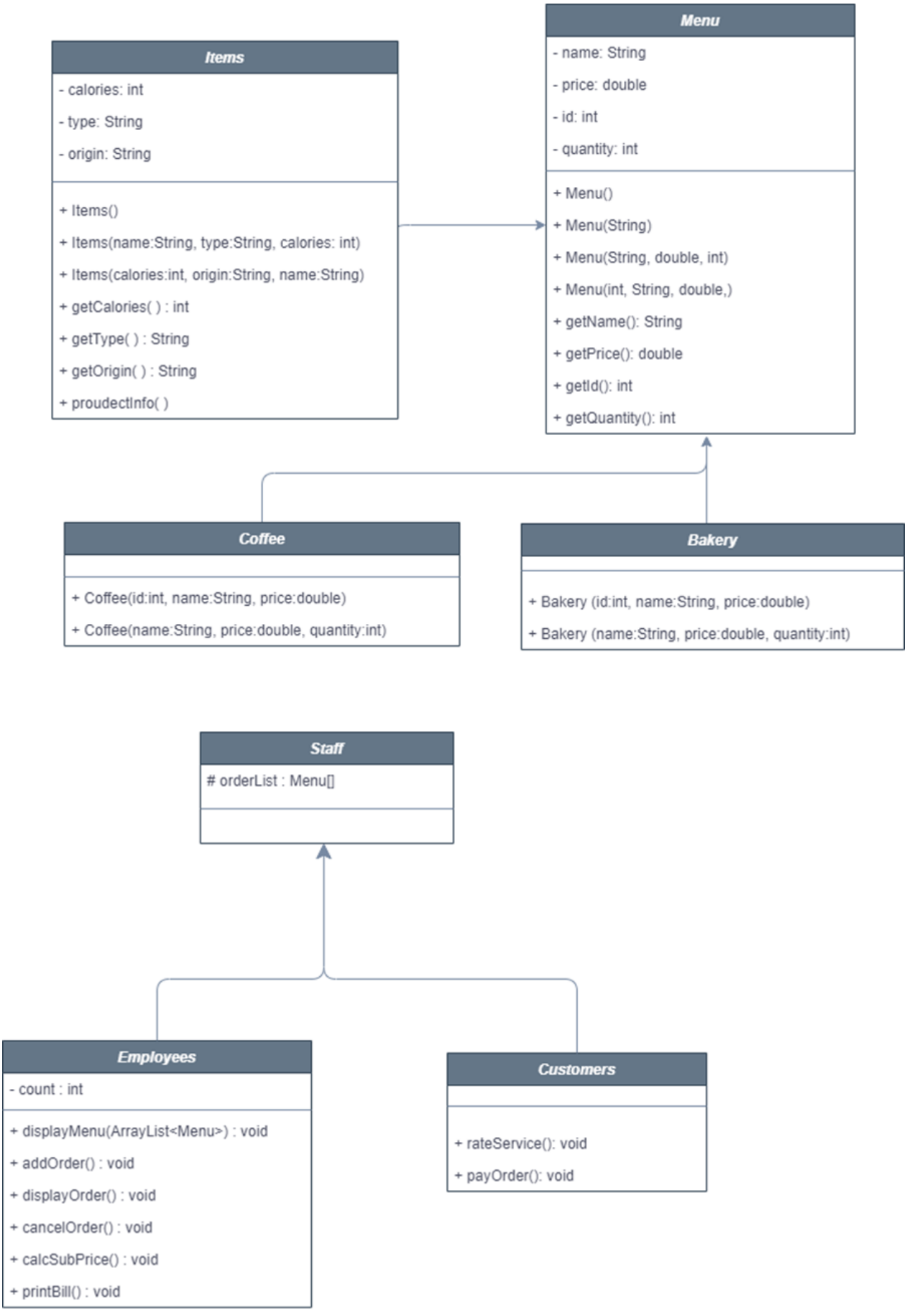
4.4 Otherwise: invalid Massage

```
Choice: 9
Wrong Number Try again !!
```

5. Choice 5: Exit

```
Choice: 5
BUILD SUCCESSFUL (total time: 5 minutes 37 seconds)
```

6. Otherwise: Invalid Message

```
Choice: 8
Wrong Number Try again !!
```

The UML Diagram: