**Write Up**

Aroma Corner is my favorite cafe in my hometown Jacksonville, FL. They specialize in boba drinks and desserts but serve some lunch items such as sandwiches and noodles. For my project, I decided to create an ordering system using some of their menu items. Their menu is quite extensive so I took their main items and divided them into categories and subcategories. If I added all the items, I felt like the code might get too repetitive and superfluous. Overall, I’m quite happy with the end result. Being that this was a six-week course, I had to find some things that we learned outside of class. Or just a lot of clarifications on some topics such as classes and methods.

The program could be used by customers and staff. Customer can use it to order on their own, or staff can use it as a POS system to put in orders. It think some improvements could be validating user input. I had trouble with a do while loop to keep asking if the user wanted to keep ordering. I kept asking myself “what if they said they wanted more but changed their mind?” I couldn’t figure out how to go back to the previous part of the code and disregard their input if they made a mistake four or five steps later. I wanted the program to be mostly for customers. To see prices of potential orders. Staff could use it but I didnt add a sort of transaction part, given more time and more information I probably would have added a few more things like that.

**Psuedocode**

Class Drinks

Size, toppings

Method dPrice

Returns size+toppings

Class Foods

Types

Method fPrice

Returns type

Class Desserts

Type, topping

Method dePrice

Returns type + topping

Main//

Class AromaCorner

//Declare Variables

Choice, drink, food, dessert,more, subtotal, total, array

Do:

{Give user choice using switch

1 for drinks, 2 for entrees, 3 for dessets

Switch (choice)

Choice 1: drinks

What kind of drink from: tea, milk tea, smoothie

If tea:

What size

If small, size=2.75

If large, size=3.50

Any toppings

If yes, toppings=0.5

If no, toppings=0.

Send size + toppings back to class Drinks

Return price of drink.

Price = subtotal

Does user want more? Y/N (for do while)

If milktea

What size

If small, size=2.75

If large size=3.5

Any toppings Y/N

If yes toppings =.5

If no toppings = 0

Send size + toppings back to class Drinks

Return price of drink

Price = subtotal

Does user want more? y/n (for do while)

If smoothie

What size

If small, size=3.75

If large size=4.5

Any toppings Y/N

If yes toppings =.5

If no toppings = 0

Send size + toppings back to class Drinks

Return price of drink

Price = subtotal

Does user want more? y/n (for do while)

//break choice 1

Choice 2: entrees

Choice from: sandwich, wrap, noodles

If sandwich

Type: eggs, ham, dried pork

If egg, type=3.95

Else if ham, type =3.85

Else type=4.05

Send type back to class Food

Return price of food

Price = subtotal

Does user want more? y/n (for do while)

If sandwich

Type: eggs, ham, dried pork

If egg, type=3.95

Else if ham, type =3.85

Else type=4.05

Send type back to class Food

Return price of food

Price = subtotal

Does user want more? y/n (for do while)

If wrap

Type: eggs, bacon, dried pork

If egg, type=3.25

Else if ham, type =3.85

Else type=3.95

Send type back to class Food

Return price of food

Price = subtotal

Does user want more? y/n (for do while)

If noodles

Type: veggies, chicken

If veggie, type=4.75

Else type =5.95

Send type back to class Food

Return price of food

Price = subtotal

Does user want more? y/n (for do while)

Choice 3: Desserts

Choice from: cake, cookie, ice cream

If cake

Type: chocolate, red velvet, strawberry

If chocolate, type=3.25

Else if red velvet, type =3.30

Else type=3.20

Toppings: fruits, drizzle, both

If fruits toppings =0.5

Else if drizzle toppings = 0.25

Else toppings toppings =0.75

Send type back to class Desserts

Return price of food

Price = subtotal

Does user want more? y/n (for do while)

If cookie

Type: chocolate chip, oatmeal, white chocolate chip

If chocolate chip, type=1

Else if oatmeal, type=0.9

Else type=1.15

Toppings: Whipped topping y/n

If yes, toppings = 0.25

If no, toppings = 0

Send type back to class Desserts

Return price of food

Price = subtotal

Does user want more? y/n (for do while)

If ice cream

Type: bowl, cone

If bowl, type = 3.00

Else type =3.25

Toppings: fruits, drizzle or both

If fruits, toppings = 0.5

Else if drizzle, toppings =0.25

Else toppings = 0.75

Send type back to class Desserts

Return price of food

Price = subtotal

Does user want more? y/n (for do while)

} while user want more = y

total=subtotal \* 1.07 //tax in florida

Out: Thank you for coming to Aroma Corner

Print total