

CIS-18A Project
Documentation

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**Case 1 (Business Program) Thursday,
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Project Information & Details:

Program goals? My objectives for the program were intentionally on the more open-ended side. I had the desire to allow a sort of creative freedom in developing a certain project, while I found it the most interesting choice out of the options personally. I was hoping to ensure that every decision made within my program was completely straightforward accessible; and otherwise, very simple for new users to navigate and for those who don't have ample access to the Internet literacy/ how ordering online works. The goal was for the user to feel as if they had freedom and there was some sort of personalization/interactivity within the program. So, to develop and implement a Java based application that essentially embodies the idea of fine dining, but in a swirl, business was my entire goal. I am well aware and know that this is a concept that may seem quite completely unconventional, however I planned to think outside the box and create an endeavor that was unique and not seen before into a illustrative and imaginative concept geared for a business model.

Program functionality/ Target Audience? Originally, when coding the program, I was using Visual Studios and I continuously had issues with the file accessing and pathways when running under the command line in windows. So, I had to keep all the classes and interfaces within the same file which has the main menu Java file that I'm submitting. The main target of this program is people who prefer scheduling, care extremely about health benefits and most importantly, curious foodies.

Strength & Weaknesses of the Program? The strength of this program is that it's simple and straightforward; the weakness is that some places lack the best user input validation.

Possible Future improvements? There were a few things that I felt could utilize future improvements. Such as scheduling orders input validation and just overall fixing the flow of the program and what is necessary for a business that operates this way.

Pseudocode:

Label the program under a package

Import scanner for user input

Create an interface that will be used for ordering for pickup or delivery

- It should deliver a message to process the orders

- It should deliver a message about any extra fees

Create an interface for feedback

- All customers should be asked for feedback

Create a class that prompts the user to input on the online experience

- Relay a message of appreciation for their rating

Create a class that uses the interface when doing delivery

- The message should relay a professional statement for the delivery

- A base fee should be charged for delivery

There should be another class dedicated to in person pickup

- A personalized message for in person pickup should be made

- There should not be a fee for in person

A parent class should be made based upon swirls

- It should have a flavor, price, and description attached

- A constructor based off if nothing is entered should be made

- A constructor for initialization should be made

- We need to display all the information

- We need to create a way to relay the information individually, and specifically for the price

A few classes based from the swirl class should be made (vanilla, strawberry, chocolate, and neapolitan)

- They should initialize all the information for the swirl class

A class for customer information should be utilized

- It will include their name, email, number and address

Incase the user does not properly provide information, there should be a backup for initialization

- A function to display the details is needed

There is now the main menu which should be imitating ordering, options, and the screen

- Create the objects from the swirl classes

- An array of the customers' information should be made

- Open the scanner for user input

- Include intro information and opening/closing times

Add the choice menu, 6 choices, for swirl descriptions, when the user is ready to order, and if they would like to cancel

- Add input validation for if they enter a number outside these possibilities

Utilize a switchcase for display and the ready to order should include asking the user for pickup or delivery

- Personalization should be included with how many items they would prefer to purchase

If they are doing pickup, user should be in correct time slot 1-9, a personalized message and fee charge should be included

If they are choosing delivery, user should be in correct time slot 1-6 the same applies, and the fee charge should be \$5

If they enter an invalid choice, the program halts

The user should be prompted for their information to put into customer class

That information should be relayed

The user will be asked how many of each of the four menu items they want and the quantity of each should be monitored

A running total will be in place and print an order summary back to the user with costs

The user will now receive the closing message of their order and estimation.

User will be prompted for feedback from interface

The program is equal to 6 after ordering

While the program does not equal to 6, it continues.

PROGRAM WORKING: (note I had to put under the same file because my VSCode was having issues with the pathway I think).

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Welcome to Swirled Spoon!
We are devoted to incorporating health and happiness into each delicious, top-quality swirl that has been reported to produce results of age reduction, weight loss, and refining wrinkles!
Our in-store pickup time ranges from 1:00 PM to 9:00 PM and delivery ends at 6:00 PM.

We currently offer four award-winning yogurt flavors. . .
What can we swirl up for you today?

Please enter the number corresponding to your selection:

1: Cream Frost Vanilla
2: Cocoa Chocolate Fondue
3: Strawberry Dew Delight
4: Neapolitan Storm
5: Ready to Order ->
6: Cancel

1
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Information:
Our Cream Frost Vanilla is filled with scents of Vanilla Bean, Natural Agave and Hints of Tropical Staples.
Priced at $28.0 with freshly baked bread cone.
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Please enter the number corresponding to your selection:

1: Cream Frost Vanilla
2: Cocoa Chocolate Fondue
3: Strawberry Dew Delight
4: Neapolitan Storm
5: Ready to Order ->
6: Cancel

5
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Information:
Proceeding to order placement...
We will be asking a series of questions to properly complete your order at Swirled Spoon.

What time will you be picking up/expecting delivery for the swirls? Remember, Delivery is from 1-6 pm and Pickup is to 9 pm. (Enter only numbers)

6
Were you planning on doing pickup or delivery today? (P - Pickup / D - delivery)

d
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Were you planning on doing pickup or delivery today? (P - Pickup / D - delivery)

d

Your order is currently being processed in real time by our employee Tom and will be delivered by him. . .

Since you are delivery your additional fee is: \$5.0

We operate on a loyalty-based system here. Could I have your first name?

Emma

Where can we email you?

emkhuta@gmail.com

Please enter your phone number (no spaces or dashes):

9096845845

Please enter a valid address !

1386 Coral Tree Lanier 92345

This was all the information you typed for sign up! Thank you Emma.

Emma

emkhuta@gmail.com

9096845845

1386 Coral Tree Lanier 92345

Order Screen:

How many Cream Frost Vanilla did you want ? Priced @ \$28.00

1

How many Cocoa Chocolate Fondue did you want ? Priced @ \$28.00

0

How many Strawberry Dew Delight did you want ? Priced @ \$28.00

0

How many Neapolitan Storm did you want ? Priced @ \$30.00

2

ORDER SUMMARY:

You purchased Cream Frost Vanilla 1.0 times.

You purchased Cocoa Chocolate Fondue 0.0 times.

You purchased Strawberry Dew Delight 0.0 times.

You purchased Neapolitan Storm 2.0 times.

Your entire total was: \$93.0.

The estimated delivery/ready for pick-up time will be 30 minutes from now. Thank you for your purchase, and we look forward to your results with our swirl benefits, Emma!

How would you rate your online Swirled Spoon experience (1-5)?

5

Thank you for your feedback!

