1) Restate the assignment in your own words

Build a program that prints out a menu and takes user input for the selections of the menu. Then will print out a receipt that gives the total owed (including tax). Also, the program will check to make sure the user input is a valid menu option.

2) State what you do and do not understand about the assignment

I don’t quite understand what I’m supposed to check for in the nested if statement. I think I am overthinking it by thinking about it throwing errors rather than something else.

3) A sketch of the problem

4) Pseudocode for main

Make scanner

Print out smoothie table

Ask for user input

Instantiate necessary variables

Take user input and store it

Turn input into an integer

Check to make sure the integer is within range

If not: print error message and end program

If so: print out add in menu

Ask for user selection

Take user input and store it

Turn input into an integer

Check to make sure the integer is within range

If not: print error message and end program

If so: calculate and print receipt and end program

5) Insights about what you would do better

I would like to add proper error handling with try and catch blocks but I imagine that those are a bit advanced for this assignment but it would be a good addition.

6) Screen shots of the results of running the program

A screenshot of a menu

Description automatically generatedA black screen with white text

Description automatically generated