CIS 152 Program Design Sheet

# Name **Kevin Pharsi**

# Project **#17 Calories/Diet**

# Assignment

You may do the following in any order. You may look at processing to figure out what inputs are. You may know some or all of your inputs and what the output is expected to be and from that figure out the processing.

# Requirements

Copy & paste your requirements here:

**In Class Assignment 1**

* Interface (form & Controls) for your lab project
  + 2 labels (inputs)
  + 2 text boxes (inputs)
  + 1 listbox (output)
  + 3 buttons Display/calculate, clear, quit
  + Your name should display somewhere on the form (Text property of form?)
* Name appropriate controls
* Set appropriate properties
  + Name
  + Tab index
  + Tab stop
  + Text – with keyboard shortcuts
* Code not needed yet

Submit Form1.Designer.cs & Program Design Sheet

### **In Class Assignment 2**

Write Exit/Quit code

Write clear code

Fix any issues from previous assignment

**Submit:**

**Form1.Designer.cs (I want to see corrections)**

**Form1.cs**

**Updated Program design sheet**

### [**In-Class Assignment 3**](https://bbhosted.cuny.edu/webapps/assignment/uploadAssignment?content_id=_83221595_1&course_id=_2365548_1&group_id=&mode=view)

Fix any issues from previous in-class assignments

Read all input into variables including string inputs

Do calculations

output to Listbox using ToString and appropriate formatting

**Submit:**

**Form1.cs**

**Form1.designer.cs(if you made changes)**

**Program design sheet**

# Input(s)

What do you have and/or what will you need in order to do your processing?

* Name of the dieter
* The food
* How many calories are in the food item
* The target weight of the dieter

What are good variable names for these inputs?

* inputName
* InputFood
* numericCalories
* numericTargetWeight

How will you get those inputs into your program?

* Using Textboxes

# Processing (How do you take your inputs and produce your outputs?)

Do you need to do any conversions to get your inputs into the right format for your processing?

* + Convert the calorie and weight inputs into integer and double

What is your process?

* Parse the inputs into the correct data type

# Output(s)

What are your outputs? (this may include more than just “the answer” it may also include your inputs and intermediate variables.)

* Display the inputs and messages calculating the recommended calorie intake

Does your output need to be formatted?

**Yes**

# Testing

Write at least 2 test cases for your program- include both inputs and answers.

# Error Processing

What errors can/did happen?

How will you handle the errors?

# Clarifications/assumptions

List any assumptions you made in your program

* The program assumes all the inputs entered are valid

Is anything unclear in the directions?