Web Development – Mr. Goldman

Level 1 Project – Calorie Counter

**Project Overview**

The Calorie Counter program will give the user the ability to create "meals" and determine the number of calories a meal holds.

**The Page**

The user will be asked to provide information for 3 foods (appetizer, entrée, and dessert).

The information needed for each food is as follows:

* The user will be asked to enter the number of grams of fat in the food.
* The user will be asked to enter the number of grams of carbohydrates in the food.
* The user will be asked to enter the number of grams of protein in the food.

The user will enter the information through the use of numbered buttons. There will be a series of buttons numbered 0 through 9, a reset button, and a submit button. The user will click the buttons to build a food (hundreds, tens, ones). If the user wants to submit the information (s)he should click the submit button. If the user does not like the information (s)he should click the reset button.

When all of the foods have been entered, the program will determine the number of calories in the meal using the following formulae:

* The number of fat calories in food is fatGrams \* 9.
* The number of protein calories in food is proteinGrams \* 4.
* The number of carbohydrate calories in food is carbGrams \* 4.

The total calories in a food is the sum of the fat, protein, and carbohydrate calories. Display the meal with the individual values for each food and the total number of calories.

**Programming Requirements**

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| * You must code your own HTML and CSS. Use of a drag and drop interface or the usage of code downloaded from the internet is not permitted. |
| * Use of deprecated code is not permitted. Use an HTML 5 reference as your guide. |
| * You must comment your name into the top of every page. |
| * Your code must be structured in a consistent and legible manner |
| * Your text must be organized through the use of sectioning tags (div, span, p, h1 – h6). Tables are acceptable for data but not for page design. |
| * Your interface must be smooth and easy to figure out for a client. |
| * Your pages must be formatted using CSS. |