Else statement homework

Else statements allow secondary conditions to be contained in if statements. They greatly increase the effectiveness of an if statement. You can check multiple conditions by using else if statements, the chain goes as follows if, else if(as many as you want), ending with the else statement. The leading if statement is checked first if that doesn’t meet the conditions of the statement then any else if statements are checked in the order that they are coded, the else statement is pretty much the statement that is activated (if you will) when none of the other conditions is met.

Since I am running short on time to finish this and a couple of other assignments I am going to include the code that I showed you in class. It is input validation code for a fitness tracker that I coded last semester.

// nested if statements to test for valid user input

if (txtBoxFoodName.Text != "")

{

if (double.TryParse(txtBoxCalories.Text, out calories) && calories <= MAX\_CALORIES && calories >= MIN\_SERVING)

{

if (double.TryParse(txtBoxServings.Text, out servings) && servings <= MAX\_SERVINGS && servings >= MIN\_AMOUNT)

{

if (double.TryParse(txtBoxFat.Text, out fat) && fat <= MAX\_FAT && fat >= MIN\_AMOUNT)

{

if (double.TryParse(txtBoxCarbs.Text, out carbs) && carbs <= MAX\_CARBS && carbs >= MIN\_AMOUNT)

{

if (double.TryParse(txtBoxSodium.Text, out sodium) && sodium <= MAX\_SODIUM && sodium >= MIN\_AMOUNT)

{

if (double.TryParse(txtBoxProtein.Text, out protein) && protein <= MAX\_PROTEIN && protein >= MIN\_AMOUNT)

{

return true;

}

else

{

MessageBox.Show("Please enter a valid calorie amount between 0 and 5000");

txtBoxProtein.Clear();

txtBoxProtein.Focus();

return false;

}

}

else

{

MessageBox.Show("Please enter a valid calorie amount between 0 and 5000");

txtBoxSodium.Clear();

txtBoxSodium.Focus();

return false;

}

}

else

{

MessageBox.Show("Please enter a valid calorie amount between 0 and 5000");

txtBoxCarbs.Clear();

txtBoxCarbs.Focus();

return false;

}

}

else

{

MessageBox.Show("Please enter a valid calorie amount between 0 and 5000");

txtBoxFat.Clear();

txtBoxFat.Focus();

return false;

}

}

else

{

MessageBox.Show("Please enter a valid serving size between 0.5 and 50");

txtBoxServings.Clear();

txtBoxServings.Focus();

return false;

}

}

else

{

MessageBox.Show("Please enter a valid calorie amount between 0 and 5000");

txtBoxCalories.Clear();

txtBoxCalories.Focus();

return false;

}

}

else

{

MessageBox.Show("Please enter a name for the food item");

txtBoxFoodName.Focus();

return false;

}

}