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'Project 3

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'Tuesday Lab

Public Class Form1

'Dimensions modular variables

Dim MealDecimal As Decimal

Dim ItemsEnteredInteger As Integer

Private Sub CalculateButton\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CalculateButton.Click

'Dimension local variables

Dim FatDecimal As Decimal

Dim CarbsDecimal As Decimal

Dim ProteinDecimal As Decimal

Dim ItemDecimal As Decimal

'Assigns values

Try

FatDecimal = Decimal.Parse(FatTextBox.Text)

Try

CarbsDecimal = Decimal.Parse(CarbsTextBox.Text)

Try

ProteinDecimal = Decimal.Parse(ProteinTextBox.Text)

'Calculates calories in item, adds to meal calorie count, and adds to total items entered

ItemDecimal = FatDecimal \* 9 + CarbsDecimal \* 4 + ProteinDecimal \* 4

'Calculates Totals

MealDecimal = ItemDecimal + MealDecimal

ItemsEnteredInteger = ItemsEnteredInteger + 1

'Displays total calories of Item, total of meal, and entry total

ItemLabel.Text = ItemDecimal

MealLabel.Text = MealDecimal

ItemsEnteredLabel.Text = ItemsEnteredInteger

CalculateButton.Enabled = False

Catch Protein As Exception

'Shows Error Message

MessageBox.Show("Protein should be a numerical value.", "Data Error", MessageBoxButtons.OK, MessageBoxIcon.Asterisk)

With ProteinTextBox

.Focus()

.SelectAll()

End With

End Try

Catch Carbs As Exception

'Shows error message

MessageBox.Show("Carbohydrates should be a numerical value.", "Data Error", MessageBoxButtons.OK, MessageBoxIcon.Asterisk)

With CarbsTextBox

.Focus()

.SelectAll()

End With

End Try

Catch Fat As Exception

'Shows error message

MessageBox.Show("Fats should be a numerical value.", "Data Error", MessageBoxButtons.OK, MessageBoxIcon.Asterisk)

With FatTextBox

.Focus()

.SelectAll()

End With

End Try

End Sub

Private Sub ExitButton\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles ExitButton.Click

'Closes program

End

End Sub

Private Sub NextItemButton\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles NextItemButton.Click

'Clears inputs and puts focus on fat textbox

With FatTextBox

.Text = ""

.Focus()

End With

CarbsTextBox.Text = ""

ProteinTextBox.Text = ""

ItemLabel.Text = ""

CalculateButton.Enabled = True

End Sub

Private Sub NewMealButton\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles NewMealButton.Click

'resets form to initial state

Call NextItemButton\_Click(sender, e)

MealLabel.Text = ""

ItemsEnteredLabel.Text = ""

'resets values back to zero

MealDecimal = 0

ItemsEnteredInteger = 0

End Sub

Private Sub PrintButton\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles PrintButton.Click

'Prints form

PrintForm1.PrintAction = Printing.PrintAction.PrintToPreview

PrintForm1.Print()

End Sub

End Class