Imports System.Text.RegularExpressions

Public Class ChezSousad\_Dang

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'- File Name : ChezSousa\_Dang.vb -

'- Part of Project: ChezSousa\_Dang -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: Feb 12, 2022 -

'------------------------------------------------------------

'- File Purpose: -

'- -

'- This file contains the subdirectory that allow user to input different dish, prepep items and raws ingredient

'-With the use of Sorted Dictionary, it makes easier to explore all the functionality of a library which connect

'------------------------------------------------------------

'- Program Purpose: -

'- -

'- a system that will allow the chefs to keep track of what dishes the restaurant prepares and what goes into each dish.

'- Each dish is usually further broken down into prepared items that are assembled into that particular dish.

'- Finally the prepared items can be broken down into the raw components that make Each up. -

'------------------------------------------------------------

'---------------------------------------------------------------------------------------

'--- GLOBAL DICTIONARIES

'---------------------------------------------------------------------------------------

'sdictRaw - Dictionary that have a key and value of string of raw ingredient

'sdictPrepped - Dictionary that have a key and value of string of the Prepped dioctionaey of raw ingredient dictionary

'sdictDish - Dictionary that thave a key and value of string of the PsdictDish dioctionaey of raw ingredient dictionary

Public sdictRaw As New SortedDictionary(Of String, String)

Public sdictPrepped As New SortedDictionary(Of String, SortedDictionary(Of String, String))

Public sdictDish As New SortedDictionary(Of String, SortedDictionary(Of String, SortedDictionary(Of String, String)))

'------------------------------------------------------------

'--- SUBPROGRAMS --- SUBPROGRAMS --- SUBPROGRAMS --- SUBPROGRAMS --- SUBPROGRAMS ---

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'-----------------------------------------------------------------------------------

Private Sub ChezSousa\_Dang\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

'- Subprogram Name: ChezSousa\_Dang\_Load -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 23, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

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'- This subroutine populate the raw ingredients, prepped items, and dishes

'-when the form started loading

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically):

'-sdictCom - a dictionary base on sdictDish structure

'-sdictDrink - a dictionary base on sdictPrepped structure

'-sdictEgg - a dictionary base on sdictPrepped structure

'-sdictGoi - a dictionary base on sdictDish structure

'-sdictGrilledPork - a dictionary base on sdictPrepped structure

'-sdictPicle - a dictionary base on sdictPrepped structure

'-sdictRice - a dictionary base on sdictPrepped structure

'-sdictSauce - a dictionary base on sdictPrepped structure

'-sdictSRoll -a dictionary base on sdictPrepped structure

'-sdictVeggie - a dictionary base on sdictPrepped structure

'-ALL THESE DICTIONARIES ARE CREATED FOR PURPOSE ADDING TO THE THREE MAIN DICTIONARIES

'------------------------------------------------------------

'populate Raw Ingredients

sdictRaw.Add("Pork", "Pork")

sdictRaw.Add("Sugar", "Sugar")

sdictRaw.Add("Cucumber", "Cucumber")

sdictRaw.Add("Tomato", "Tomato")

sdictRaw.Add("Fish sauce", "Fish sauce")

sdictRaw.Add("Garlic", "Garlic")

sdictRaw.Add("Chillies", "Chillies")

sdictRaw.Add("Oil", "Oil")

sdictRaw.Add("MSG", "MSG")

sdictRaw.Add("Broken rice", "Broken rice")

sdictRaw.Add("Carrot", "Carrot")

sdictRaw.Add("Salt", "Salt")

sdictRaw.Add("Vinegar", "Vinegar")

sdictRaw.Add("Green onion", "Green onion")

sdictRaw.Add("Rice vermicelli", "Rice vermicelli")

sdictRaw.Add("Shrimp", "Shrimp")

sdictRaw.Add("Hoisin", "Hoisin")

sdictRaw.Add("Water", "Water")

sdictRaw.Add("Thai basil", "Thai basil")

sdictRaw.Add("Mint", "Mint")

sdictRaw.Add("Rice paper", "Rice paper")

sdictRaw.Add("Tea", "Tea")

sdictRaw.Add("Pepper", "Pepper")

sdictRaw.Add("Lettuce", "Lettuce")

sdictRaw.Add("Egg", "Egg")

printDict(sdictRaw)

'Populate Prepped Items

'by creating individual raw items library for every prepped items

Dim sdictGrilledPork As New SortedDictionary(Of String, String)

sdictGrilledPork.Add("Pork", sdictRaw("Pork"))

sdictGrilledPork.Add("Sugar", sdictRaw("Sugar"))

sdictGrilledPork.Add("MSG", sdictRaw("MSG"))

sdictGrilledPork.Add("Oil", sdictRaw("Oil"))

sdictGrilledPork.Add("Salt", sdictRaw("Salt"))

sdictGrilledPork.Add("Garlic", sdictRaw("Garlic"))

sdictGrilledPork.Add("Hoisin", sdictRaw("Hoisin"))

sdictGrilledPork.Add("Pepper", sdictRaw("Pepper"))

sdictGrilledPork.Add("Fish sauce", sdictRaw("Fish sauce"))

sdictPrepped.Add("Grilled pork", sdictGrilledPork)

Dim sdictRice As New SortedDictionary(Of String, String)

sdictRice.Add("Water", sdictRaw("Water"))

sdictRice.Add("Broken rice", sdictRaw("Broken rice"))

sdictPrepped.Add("Steamed rice", sdictRice)

Dim sdictVeggie As New SortedDictionary(Of String, String)

sdictVeggie.Add("Cucumber", sdictRaw("Cucumber"))

sdictVeggie.Add("Tomato", sdictRaw("Tomato"))

sdictVeggie.Add("Green onion", sdictRaw("Green onion"))

sdictPrepped.Add("Fresh vegetables", sdictVeggie)

Dim sdictPickle As New SortedDictionary(Of String, String)

sdictPickle.Add("Carrot", sdictRaw("Carrot"))

sdictPickle.Add("Sugar", sdictRaw("Sugar"))

sdictPickle.Add("Salt", sdictRaw("Salt"))

sdictPickle.Add("Vinegar", sdictRaw("Vinegar"))

sdictPrepped.Add("Pickle carrots", sdictPickle)

Dim sdictSauce As New SortedDictionary(Of String, String)

sdictSauce.Add("Fish sauce", sdictRaw("Fish sauce"))

sdictSauce.Add("Sugar", sdictRaw("Sugar"))

sdictSauce.Add("Water", sdictRaw("Water"))

sdictSauce.Add("Garlic", sdictRaw("Garlic"))

sdictSauce.Add("Vinegar", sdictRaw("Vinegar"))

sdictSauce.Add("Chillies", sdictRaw("Chillies"))

sdictPrepped.Add("Nước mắm chấm", sdictSauce)

Dim sdictDrink As New SortedDictionary(Of String, String)

sdictDrink.Add("Water", sdictRaw("Water"))

sdictDrink.Add("Tea", sdictRaw("Tea"))

sdictPrepped.Add("Iced tea", sdictDrink)

Dim sdictEgg As New SortedDictionary(Of String, String)

sdictEgg.Add("Egg", sdictRaw("Egg"))

sdictEgg.Add("Oil", sdictRaw("Oil"))

sdictPrepped.Add("Fried egg", sdictEgg)

Dim sdictSRoll As New SortedDictionary(Of String, String)

sdictSRoll.Add("Rice vermicelli", sdictRaw("Rice vermicelli"))

sdictSRoll.Add("Lettuce", sdictRaw("Lettuce"))

sdictSRoll.Add("Thai basil", sdictRaw("Thai basil"))

sdictSRoll.Add("Shrimp", sdictRaw("Shrimp"))

sdictSRoll.Add("Pork", sdictRaw("Pork"))

sdictSRoll.Add("Mint", sdictRaw("Mint"))

sdictPrepped.Add("Vietnamese spring rolls", sdictSRoll)

printDict(sdictPrepped)

'Populate Dish

Dim sdictCom As New SortedDictionary(Of String, SortedDictionary(Of String, String))

sdictCom.Add("Grilled pork", sdictPrepped("Grilled pork"))

sdictCom.Add("Nước mắm chấm", sdictPrepped("Nước mắm chấm"))

sdictCom.Add("Fried egg", sdictPrepped("Fried egg"))

sdictCom.Add("Fresh vegetables", sdictPrepped("Fresh vegetables"))

sdictCom.Add("Pickle carrots", sdictPrepped("Pickle carrots"))

sdictCom.Add("Steamed rice", sdictPrepped("Steamed rice"))

sdictCom.Add("Iced tea", sdictPrepped("Iced tea"))

sdictDish.Add("Cơm tấm platter", sdictCom)

Dim sdictGoi As New SortedDictionary(Of String, SortedDictionary(Of String, String))

sdictGoi.Add("Iced tea", sdictPrepped("Iced tea"))

sdictGoi.Add("Vietnamese spring rolls", sdictPrepped("Vietnamese spring rolls"))

sdictGoi.Add("Nước mắm chấm", sdictPrepped("Nước mắm chấm"))

sdictDish.Add("Gỏi cuốn appertizer", sdictGoi)

printDict(sdictDish) 'Call a print dictionaries to print out all the

End Sub

Sub printDict(Of T)(ByRef sdict As T)

'------------------------------------------------------------

'- Subprogram Name: printDict() -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: March 23, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine print the dictionary to three different listbox

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- sdict - generic by passing in dictionary -

'------------------------------------------------------------

'Print out everything to approriate listbox

If sdict.Equals(sdictDish) Then

lstDish.Items.Clear()

For Each key As String In sdictDish.Keys

lstDish.Items.Add(key)

Next

ElseIf sdict.Equals(sdictPrepped) Then

lstPrepped.Items.Clear()

For Each key As String In sdictPrepped.Keys

lstPrepped.Items.Add(key)

Next

Else

lstRaw.Items.Clear()

For Each value As String In sdictRaw.Values

lstRaw.Items.Add(value)

Next

End If

End Sub

Private Sub lstPrepped\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles lstPrepped.SelectedIndexChanged

'------------------------------------------------------------

'- Subprogram Name: lstPrepped\_SelectedIndexChanged

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: FEbruary 12, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine print out the selected RAw item that associated

'- with the Prepped Item that is being selected by customer

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- dictKey - a dictionary of all the Keys -

'------------------------------------------------------------

'Reset the selected raw ingr

lstSelectedRaw.Items.Clear()

'Every time Prep item listbox index change then assigned new key dictinary to dictKey

Dim dictKey = sdictPrepped.Item(lstPrepped.Text).Keys

'If it's empty then print no raw Ingredient attached

If dictKey.Count = 0 Then

MessageBox.Show("There is No Attached Raw Ingrdient to this Prepped Item!")

Else 'else print the raw ingredient attached to the prepped items

For Each s In dictKey

lstSelectedRaw.Items.Add(s)

Next

End If

End Sub

Private Sub lstDish\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles lstDish.SelectedIndexChanged

'------------------------------------------------------------

'- Subprogram Name: lstDish\_SelectedIndexChanged

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: FEbruary 12, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine print out the selected Prepped item that associated

'- with the Dish that is being selected by customer

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- dictKey - a dictionary of all the Keys -

'------------------------------------------------------------

'Reset the selected raw ingr

lstSelectedPrep.Items.Clear()

'Every time Dish listbox index change then assigned new key dictinary to dictKey

Dim dictKey = sdictDish.Item(lstDish.Text).Keys

'If it's empty then print no items attached

If dictKey.Count = 0 Then

MessageBox.Show("There is No Attached Prepped Item to this Dish!")

Else 'else print the prepped items attached to the dish

For Each s In dictKey

lstSelectedPrep.Items.Add(s)

Next

End If

End Sub

Private Sub btnRaw\_Click(sender As Object, e As EventArgs) Handles btnRaw.Click

'------------------------------------------------------------

'- Subprogram Name: btnRaw\_Click

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: FEbruary 12, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine create a new pair key-value thena dded it to

'- the according sdictRaw dictionary

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- (None) -

'------------------------------------------------------------

'Call function to verified the input text

'If approriate then assigned it the dictionary and print out all the listbox

'reset the textField

If textVerified(txtRaw.Text) Then

If sdictRaw.ContainsKey(txtRaw.Text) Then

MessageBox.Show("Duplicate Raw Ingredient, Please try Again!")

Else

sdictRaw.Add(txtRaw.Text, txtRaw.Text)

printDict(sdictRaw)

txtRaw.Text = ""

End If

End If

End Sub

Private Sub btnPrepped\_Click(sender As Object, e As EventArgs) Handles btnPrepped.Click

'------------------------------------------------------------

'- Subprogram Name: btnPrepped\_Click

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: February 12, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine create a new pair key and value(Creating a new dictionary based on the

'- sdictRaw) then added it to the according sdictPrepped dictionary

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- sdictEmpty - empty dictionary based on sdictRaw structure -

'------------------------------------------------------------

'Call function to verified the input text

'If approriate then assigned it the dictionary and print out all the listbox

'reset the textField

If textVerified(txtPrepped.Text) Then

If sdictPrepped.ContainsKey(txtPrepped.Text) Then

MessageBox.Show("Duplicate Prepped Items, Please try Again!")

Else

Dim sdictEmpty As New SortedDictionary(Of String, String)

sdictPrepped.Add(txtPrepped.Text, sdictEmpty)

printDict(sdictPrepped)

txtPrepped.Text = ""

End If

End If

End Sub

Private Sub btnDish\_Click(sender As Object, e As EventArgs) Handles btnDish.Click

'------------------------------------------------------------

'- Subprogram Name: btnDish\_Click

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: FEbruary 12, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine create a new pair key and value(Creating a new dictionary based on the

'- sdictPrepped) then added it to the according sdictDish dictionary

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- sdictEmpty - empty dictionary based on sdictPrepped structure -

'------------------------------------------------------------

'Call function to verified the input text

'If approriate then assigned it the dictionary and print out all the listbox

'reset the textField

If textVerified(txtDish.Text) Then

If sdictDish.ContainsKey(txtDish.Text) Then

MessageBox.Show("Duplicate Dish, Please try Again!")

Else

Dim sdictEmpty As New SortedDictionary(Of String, SortedDictionary(Of String, String))

sdictDish.Add(txtDish.Text, sdictEmpty)

printDict(sdictDish)

txtDish.Text = ""

End If

End If

End Sub

Function textVerified(ByRef strTxt As String) As Boolean

'------------------------------------------------------------

'- Subprogram Name: textVerified

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: FEbruary 12, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine pass in the reference of the string text then

'-validate it, if qualified return true and make the first letter upper

'-else show a error message box

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- sdictEmpty - empty dictionary based on sdictPrepped structure -

'------------------------------------------------------------

'Accept a series of String without anynumber

Dim MyRegex As New Regex("[a-zA-Z]+\s?[a-zA-Z]+$")

'return false if string is not in approriate format

If String.IsNullOrWhiteSpace(strTxt) Or String.IsNullOrEmpty(strTxt) Or IsNumeric(strTxt) Or Not MyRegex.IsMatch(strTxt) Then

MessageBox.Show("Invalid Name. Please try again!")

Return False

Else 'change the string to have upper case in the first letter and the rest is lowercase

strTxt = strTxt.Substring(0, 1).ToUpper + strTxt.Substring(1).ToLower

Return True

End If

End Function

Private Sub lisBox\_DragEnter(sender As Object, e As DragEventArgs) Handles lstPrepped.DragEnter, lstSelectedPrep.DragEnter, lstSelectedRaw.DragEnter, lstRaw.DragEnter

'------------------------------------------------------------

'- Subprogram Name: lisBox\_DragEnter

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: March 24, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine create an effect for every listbox when there's

'- Drag Action Enter

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- None -

'------------------------------------------------------------

'Once we start the drag in the RTB, just keep the copy effect showing

e.Effect = DragDropEffects.Copy

End Sub

Private Sub lstSelectedPrep\_MouseMove(sender As Object, e As MouseEventArgs) Handles lstSelectedPrep.MouseMove

'------------------------------------------------------------

'- Subprogram Name: lstSelectedPrep\_MouseMove

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: March 24, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine starting the draging effect from the listbox seletced

'- prep items then set approriate listbox of prepped items to drop

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- None -

'------------------------------------------------------------

'Everything starts with a mouse move in the original listbox.

Dim dropEffect As DragDropEffects

If e.Button = Windows.Forms.MouseButtons.Left Then

'If the left mouse button is down, proceed with the

'drag-and-drop, passing in the list item as the data.

dropEffect = lstSelectedPrep.DoDragDrop(lstSelectedPrep.Items(lstSelectedPrep.SelectedIndex),

DragDropEffects.All Or DragDropEffects.Link)

End If

lstPrepped.AllowDrop = True

lstSelectedPrep.AllowDrop = False

lstRaw.AllowDrop = False

lstSelectedRaw.AllowDrop = False

End Sub

Private Sub lstPrepped\_DragDrop(sender As Object, e As DragEventArgs) Handles lstPrepped.DragDrop

'------------------------------------------------------------

'- Subprogram Name: lstPrepped\_DragDrop

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: March 24, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine removing the selected prepped items from the seleted dish

'- then reprint it in the listbox

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- dictKey - a dictionary of all the Keys -

'------------------------------------------------------------

sdictDish(lstDish.Text).Remove(lstSelectedPrep.Text)

lstSelectedPrep.Items.Clear()

'Reprint the selected dish

Dim dictKey = sdictDish.Item(lstDish.Text).Keys

For Each s In dictKey

lstSelectedPrep.Items.Add(s)

Next

End Sub

Private Sub lstPrepped\_MouseMove(sender As Object, e As MouseEventArgs) Handles lstPrepped.MouseMove

'------------------------------------------------------------

'- Subprogram Name: lstPrepped\_MouseMove

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: March 24, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine starting the draging effect from the listbox

'- prep items then set approriate listbox of selected prepped items to drop

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- None -

'------------------------------------------------------------

'Everything starts with a mouse move in the original listbox.

Dim dropEffect As DragDropEffects

lstPrepped.AllowDrop = False

lstSelectedPrep.AllowDrop = True

lstRaw.AllowDrop = False

lstSelectedRaw.AllowDrop = False

If e.Button = Windows.Forms.MouseButtons.Left Then

'If the left mouse button is down, proceed with the

'drag-and-drop, passing in the list item as the data.

dropEffect = lstSelectedPrep.DoDragDrop(lstPrepped.Items(lstPrepped.SelectedIndex),

DragDropEffects.All Or DragDropEffects.Link)

End If

End Sub

Private Sub lstSelectedPrep\_DragDrop(sender As Object, e As DragEventArgs) Handles lstSelectedPrep.DragDrop

'------------------------------------------------------------

'- Subprogram Name: lstSelectedPrep\_DragDrop

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: March 24, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine adding the selected prepped items from the seleted dish

'- then reprint it in the listbox

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- dictKey - a dictionary of all the Keys -

'------------------------------------------------------------

If lstPrepped.SelectedIndex = -1 Or lstDish.SelectedIndex = -1 Then

MessageBox.Show("Need to select one Prepped items and one Dish Item to Add")

Else

Try

sdictDish(lstDish.Text).Add(lstPrepped.Text, sdictPrepped(lstPrepped.Text))

'Reprint the selected dish

lstSelectedPrep.Items.Clear()

Dim dictKey = sdictDish.Item(lstDish.Text).Keys

For Each s In dictKey

lstSelectedPrep.Items.Add(s)

Next

Catch

MessageBox.Show("Duplicate Items!")

End Try

End If

End Sub

Private Sub lstSelectedRaw\_MouseMove(sender As Object, e As MouseEventArgs) Handles lstSelectedRaw.MouseMove

'------------------------------------------------------------

'- Subprogram Name: lstSelectedRaw\_MouseMove

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: March 24, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine starting the draging effect from the listbox seletced

'- raw items then set approriate listbox of raw items to drop

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- None -

'------------------------------------------------------------

'Everything starts with a mouse move in the original listbox.

Dim dropEffect As DragDropEffects

If e.Button = Windows.Forms.MouseButtons.Left Then

'If the left mouse button is down, proceed with the

'drag-and-drop, passing in the list item as the data.

dropEffect = lstSelectedPrep.DoDragDrop(lstSelectedRaw.Items(lstSelectedRaw.SelectedIndex),

DragDropEffects.All Or DragDropEffects.Link)

End If

lstPrepped.AllowDrop = False

lstSelectedPrep.AllowDrop = False

lstRaw.AllowDrop = True

lstSelectedRaw.AllowDrop = False

End Sub

Private Sub lstRaw\_DragDrop(sender As Object, e As DragEventArgs) Handles lstRaw.DragDrop

'------------------------------------------------------------

'- Subprogram Name: lstPrepped\_DragDrop

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: March 24, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine removing the selected raw items from the seleted prepped

'- then reprint it in the listbox

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- dictKey - a dictionary of all the Keys -

'------------------------------------------------------------

sdictPrepped(lstPrepped.Text).Remove(lstSelectedRaw.Text)

lstSelectedRaw.Items.Clear()

'Reprint the selected dish

Dim dictKey = sdictPrepped.Item(lstPrepped.Text).Keys

For Each s In dictKey

lstSelectedRaw.Items.Add(s)

Next

End Sub

Private Sub lstRaw\_MouseMove(sender As Object, e As MouseEventArgs) Handles lstRaw.MouseMove

'------------------------------------------------------------

'- Subprogram Name: lstRaw\_MouseMove

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: March 24, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine starting the draging effect from the listbox

'- raw items then set approriate listbox of selected raw items to drop

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- None -

'------------------------------------------------------------

'Everything starts with a mouse move in the original listbox.

Dim dropEffect As DragDropEffects

lstPrepped.AllowDrop = False

lstSelectedPrep.AllowDrop = False

lstRaw.AllowDrop = False

lstSelectedRaw.AllowDrop = True

If e.Button = Windows.Forms.MouseButtons.Left Then

'If the left mouse button is down, proceed with the

'drag-and-drop, passing in the list item as the data.

dropEffect = lstRaw.DoDragDrop(lstRaw.Items(lstRaw.SelectedIndex),

DragDropEffects.All Or DragDropEffects.Link)

End If

End Sub

Private Sub lstSelectedRaw\_DragDrop(sender As Object, e As DragEventArgs) Handles lstSelectedRaw.DragDrop

'------------------------------------------------------------

'- Subprogram Name: lstSelectedRaw\_DragDrop

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: March 24, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine adding the raws items to the selected raw

'- then reprint it in the listbox

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- dictKey - a dictionary of all the Keys -

'------------------------------------------------------------

If lstRaw.SelectedIndex = -1 Or lstPrepped.SelectedIndex = -1 Then

MessageBox.Show("Need to select one Prepped items and one Raw Item to Add")

Else

Try

sdictPrepped(lstPrepped.Text).Add(lstRaw.Text, sdictRaw(lstRaw.Text))

'Reprint the selected dish

lstSelectedRaw.Items.Clear()

Dim dictKey = sdictPrepped.Item(lstPrepped.Text).Keys

For Each s In dictKey

lstSelectedRaw.Items.Add(s)

Next

Catch

MessageBox.Show("Duplicate Items!")

End Try

End If

End Sub

End Class