CS 2412 - Assignment #7: Restaurant Bill Calculator (60 points)

Overview

In this assignment, you are asked to build an app that can calculate a restaurant bill. You need to design an **MDI** application and use any controls you may need (i.e. ComboBoxes, Buttons, TextBoxes, or Labels).

Introduction

The app must be an MDI including two child forms:

1. *First child form (Login Form):*
   The form should contain
   a. A Label that displays string "Login:"
   b. A TextBox (loginTextBox), where the user inputs a login name
   c. A Label that displays the string "Password:"
   d. A TextBox (passwordTextBox), where a user inputs a password
      (Hint: set property PasswordChar to "*" in the TextBox's Properties window).

   The *Login* form must provide public read-only properties Login and Password that allow an app to retrieve the user input from loginTextBox and passwordTextBox. The app must read Login and Password from the Login form and check if the credentials are correct or not. (Hint, you can hardcode the credentials in your app).

   In the case of successful login, the app must display the second form. Otherwise, displays a message telling the login is failed and redisplay the Login form.

2. *Second child form (Restaurant Bill Calculator):*
   The form should display all the menu items from the following figure in four ComboBoxes. Each ComboBox should contain a category of food offered by the restaurant (Beverage, Appetizer, Main Course and Dessert).

   The user can choose from one of these ComboBoxes to add an item to a table's bill. The user also can select the quantity of each item from NumericDropdowns (The default quantity of each item is 1). As each item and its quantity are selected, add the price of that item to the bill.

   The user can click the *Clear* Bill Button to restore the "Subtotal:", "Tax:" and "Total:" fields to $0.00.

Name	Category	Price	Name	Category	Price
Soda	Beverage	$1.95	Chicken Alfredo	Main Course	$13.95
Tea	Beverage	$1.50	Chicken Picatta	Main Course	$13.95
Coffee	Beverage	$1.25	Turkey Club	Main Course	$11.95
Mineral Water	Beverage	$2.95	Lobster Pie	Main Course	$19.95
Juice	Beverage	$2.50	Prime Rib	Main Course	$20.95
Milk	Beverage	$1.50	Shrimp Scampi	Main Course	$18.95
Buffalo Wings	Appetizer	$5.95	Turkey Dinner	Main Course	$13.95
Buffalo Fingers	Appetizer	$6.95	Stuffed Chicken	Main Course	$14.95
Potato Skins	Appetizer	$8.95	Apple Pie	Dessert	$5.95
Nachos	Appetizer	$8.95	Sundae	Dessert	$3.95
Mushroom Caps	Appetizer	$10.95	Carrot Cake	Dessert	$5.95
Shrimp Cocktail	Appetizer	$12.95	Mud Pie	Dessert	$4.95
Chips and Salsa	Appetizer	$6.95	Apple Crisp	Dessert	$5.95
Seafood Alfredo	Main Course	$15.95			

Notes

- Due: Thursday March 26th at 11:59pm
- Submit your document and entire Visual Studio solution directory as a .zip file called hw7_<yourFullname>.zip.