**Module 3: Critical Thinking**

Grade:N/A

**CRITICAL THINKING ASSIGNMENT (50 points)**

**Important! Read First**

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission. Ensure that all of your assignment deliverables are attached before submitting your assignment.

**Option #1: Create a Visual Basic .NET Application – User Interface Elements (Lesson B Exercise 1, Zak, 2016, p. 83)**

In this exercise, you will continue creating the Richardson County application from Module 2 Critical Thinking assignment Option 1. Open the VB2015\Chap02\Richardson Solution\Richardson Solution (Richardson Solution.sln) file. If necessary, open the designer window. Figure 2-18 (Zak, 2016) shows the completed interface.

* Add the missing txtAssessed and lblTax controls to the form.
* Set the lblTax control's TextAlign property to MiddleCenter. Lock the controls on the form. Assign the access keys (shown in the figure) to the text box and buttons.
* Set the TabIndex values appropriately. Save the solution and then start the application. Verify that the tab order is correct. Also verify that the access keys work appropriately. Use the Exit button to end the application.

Assignment Deliverables:

* The zip file containing the Visual Studio solution and project files.

**Module 4: Critical Thinking**

Grade:N/A

**CRITICAL THINKING ASSIGNMENT (50 points)**

**Important! Read First**

Choose one of the following two assignments to complete this week. Do not do both assignments. Identify your assignment choice in the title of your submission. Ensure that all of your assignment deliverables are attached before submitting your assignment.

**Option #1: Visual Basic .NET Application – Coding Exercise 1 (Exercise 13, Zak, 2016, p. 347)**

For this coding exercise, write the Visual Basic code for a pretest loop that uses an Integer variable named intEven to display the even integers from 2 through 20 in the lblEven control.

* Use the For...Next statement.
* Display each number on a separate line in the control.
* Then create an application to test your code using the following names for the solution and project, respectively: Even Solution and Even Project.
* Save the application in the VB2015\ Chap06 folder.
* Add a button and a label to the interface. Enter your code in the button's Click event procedure, and then test the application appropriately.

Assignment Deliverables;

* The zip file containing the Visual Studio solution and project files.