

7. Open the Translator Solution (Translator Solution.sln) file contained in the ClearlyVB2012\Chap16\Translator Solution folder. Code the application so that it uses three independent Sub procedures to translate the English words into French, Spanish, or Italian. (Hint: If the Code Editor indicates that a String variable is being passed before it has been assigned a value, assign the String.Empty constant to the variable in the Dim statement.) Save the solution and then start and test the application. Close the Code Editor window and then close the solution.
8. In this exercise, you create an application for a company named Just Mats. The company sells three different types of mats: Standard (\$159), I Love Gymnastics (\$189), and Cheer Is Fun (\$189). All of the mats are available in blue, red (\$10 extra), and pink (\$15 extra). The application should calculate the price of a mat.
 - a. Create a Visual Basic Windows application. Use the following names for the solution and project, respectively: Just Mats Solution and Just Mats Project. Save the application in the ClearlyVB2012\Chap16 folder. Change the name of the form file on your disk to frmMain.vb. If necessary, change the form's name to frmMain.
 - b. Create the interface shown in Figure 16-27.
 - c. Code the application. Use an independent Sub procedure to calculate the extra charge (if any) for the mat's color. Also use an independent Sub procedure to clear the price when the user selects a different radio button.
 - d. Save the solution and then start and test the application. Close the Code Editor window and then close the solution.

Figure 16-27 Interface for Exercise 8

9. In this exercise, you code an application that calculates a monthly water bill. The clerk at the water department will enter the current meter reading and the previous meter reading in two text boxes. The application should calculate and display the number of gallons of water used and the total charge for the water. The charge for water is \$5.15 per 1000 gallons, or .00515 per gallon. However, there is a minimum monthly charge of \$19.69. Use two independent Sub procedures: one to make the calculations and one to display the results. Call both Sub procedures from the Calculate button's Click event procedure. Make the calculations only when the current meter reading is greater than or equal to the previous meter reading; otherwise, display an appropriate message in a message box.