**The CheckBox Control Exercise**

Check boxes allow the user to select options. Unlike radio buttons, more than one check box can be selected at a time. For example, in the Morning To Do application, CheckBox objects give the user options such as a check box for making the bed, packing a lunch, gather homework, eat breakfast, brush teeth, pick out an outfit to wear, as so on.

Related check boxes are sometimes placed together in a Group box. As with radio buttons, a group box should be added to the form before adding check boxes.

An If…Then statement can be used on a program to determine if a check box is selected or cleared. For example, the following statement displays a message that depends on the state of the check box:

If Me.chkLunch.Checked Then

MessageBox.Show (“Don’t forget our bottled water”)

Else

MessageBox.Show(“Take lunch money”)

End If

A click event procedure is sometimes coded for a check box. This procedure executes when a check box is clicked and usually includes code to determine the state of the check box and then perform actions depending on whether the check box was selected or cleared.

1. **Create a New Project**
   1. Create a new project and name the form Morning To Do List
2. **Create the Interface**
   1. Refer to the form below to add, position and size objects.
   2. Use the table below to set the properties

Personal

Actions

All Done

Morning To Do List

Shower

Brush Teeth

Eat Breakfast

Make Bed

Gather School Work

Kiss Mom Goodbye

Style Hair  
Style

Get Dressed

|  |  |  |  |
| --- | --- | --- | --- |
| **Object** | **Name** | **Text** | **Checked** |
| Form1 | frmToDoList | Morning To Do List |  |
| GroupBox1 | grpPersonal | Personal | False |
| GroupBox2 | grpActions | Action | False |
| CheckBox1 | chkShower | Shower | False |
| CheckBox2 | chkBrushTeeth | Brush Teeth | False |
| CheckBox3 | chkStyleHair | Style Hair | False |
| CheckBox4 | chkGetDressed | Get Dressed | False |
| CheckBox5 | chkMakeBed | Make Bed | False |
| CheckBox6 | chkEatBreakfast | Eat Breakfast | False |
| CheckBox7 | chkSchoolWork | Gather School Work | False |
| CheckBox8 | chkKissMom | Kiss Mom Goodbye | False |
| Button1 | btnAllDone | All Done |  |

1. Write the Application Code
   1. Display the code window
   2. Add comments that include your name and today’s date
      1. ‘Pluchino
      2. ‘Date
      3. ‘Morning To Do List
   3. Create chkShower\_Click event procedure by double clicking on the Shower check box. Then add this statement
      1. If Me.chkShower.Checked Then
      2. MessageBox.Show(“Don’t forget to use under arm deorterent”)
      3. End If
   4. Create a btnAllDone\_Click event by double clicking on the All Done button. Then add the statements:
      1. If Not (Me.MakeBed.Checked And Me.chkBrushTeeth.Checked And Me.chkStyleHair.Checked And Me.GetDressed.Checked And Me.chkEatBreakfast.Checked And Me.SchoolWork.Checked And Me.chkKissMom.Checked) Then
      2. MessageBox.Show(“Did you forget something”)
      3. Else
      4. End
      5. End If
2. Run the Application
   1. Save the Morning To Do application and then run it.
   2. Run the application again and only check two or three check boxes and then select All Done! A message box is displayed. Select the remaining check boxes and then select All Done!
   3. **Get Ticked Off**

'Pluchino

'Feb. 6, 2017

'Morning To Do List

Public Class frmToDoList

Private Sub chkShower\_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles chkShower.CheckedChanged

If Me.chkShower.Checked Then

MessageBox.Show("Don't forget to use under arem deorterent")

End If

End Sub

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

If Not (Me.chkMakeBed.Checked And Me.chkBrushTeeth.checked And Me.chkStyleHair.Checked And Me.chkEatBreakfast.Checked And Me.chkSchoolWork.Checked And Me.chkKissMom.Checked) Then

MessageBox.Show("Did you forget something")

Else

End

End If

End Sub

Private Sub chkBrushTeeth\_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles chkBrushTeeth.CheckedChanged

If Me.chkBrushTeeth.Checked Then

MessageBox.Show("Don't forget to use mouth wash")

End If

End Sub

Private Sub chkStyleHair\_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles chkStyleHair.CheckedChanged

If Me.chkStyleHair.Checked Then

MessageBox.Show("don't forget to use gell")

End If

End Sub

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

Close()

End Sub

End Class