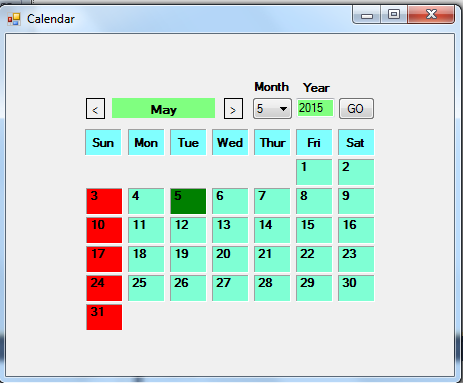
For each chk in me.controls.oftype( of checkbox )()

If chk.checked = true

Messagebox.show()

Next

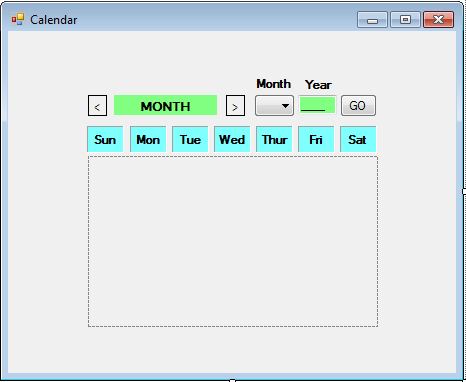


This is a tutorial that will teach you how to create and design your own calendar using vb.net.

**Now, let's start this tutorial!**

1. Let's start with creating a Windows Form Application for this tutorial by following the following steps in Microsoft Visual Studio: Go to **File**, click **New Project**, and choose**Windows Application**.

2. Next, add a Label named labelMonth for displaying the month, in label, combobox named comboMonth to display the Month, textbox named textBoxYear for the year, panel named panel1 for displaying the days, 3 buttons named button1 for displaying next date, button2 for displaying the previous date, and buttonGo for searching the desired date. You must design your interface like this:



3. Now, we will do the coding.

First, declare the variables below.

1. Dim lblDayz As Label
2. Dim y As Int32 = 0
3. Dim x As Int32
4. Dim ndayz As Int32
5. Dim Dayofweek, CurrentCulture As String

Next, we will code for our Form\_Load to display the current date.

1. Private Sub Form1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
2. *'display the current month*
3. comboBoxMonth.Text = DateTime.Now.Month.ToString()
4. *'Get there windows culture*
5. CurrentCulture = Globalization.CultureInfo.CurrentCulture.Name
6. *'display the full name of the current month*
7. labelMonth.Text = Application.CurrentCulture.DateTimeFormat.GetMonthName(Convert.ToInt32(comboBoxMonth.Text))
8. *'get the number of days in the selected month and year*
9. My.Application.ChangeCulture("en-za")
10. Dim Dayz As Int32 = DateTime.DaysInMonth(DateTime.Now.Year, DateTime.Now.Month)
11. *'display the current year in the textbox*
12. textBoxYear.Text = DateTime.Now.Year.ToString()
13. *'call the checkday function*
14. CheckDay()
15. For i As Int32 = 1 To Dayz
16. ndayz += 1
17. lblDayz = New Label()
18. lblDayz.Name = "B" & i
19. lblDayz.Text = i.ToString()
20. lblDayz.BorderStyle = BorderStyle.Fixed3D
21. If i = DateTime.Now.Day Then
22. lblDayz.BackColor = Color.Green
23. ElseIf ndayz = 1 Then
24. lblDayz.BackColor = Color.Red
25. Else
26. lblDayz.BackColor = Color.Aquamarine
27. End If
28. lblDayz.Font = label31.Font
29. lblDayz.SetBounds(x, y, 37, 27)
30. x += 42
31. If ndayz = 7 Then
32. x = 0
33. ndayz = 0
34. y += 29
35. End If
36. panel1.Controls.Add(lblDayz)
37. Next
38. *'return all values to default*
39. x = 0
40. ndayz = 0
41. y = 0
42. End Sub

Then we will create a function named CheckDay() As Int32 to check if the given day is valid or not.

1. Function CheckDay() As Int32
2. Dim time As DateTime = Convert.ToDateTime(comboBoxMonth.Text + "/01/" + textBoxYear.Text)
3. *'get the start day of the week for the entered date and month*
4. Dayofweek = Application.CurrentCulture.Calendar.GetDayOfWeek(time).ToString()
5. If Dayofweek = "Sunday" Then
6. x = 0
7. ElseIf Dayofweek = "Monday" Then
8. x = 0 + 42
9. ndayz = 1
10. ElseIf Dayofweek = "Tuesday" Then
11. x = 0 + 84
12. ndayz = 2
13. ElseIf Dayofweek = "Wednesday" Then
14. x = 0 + 84 + 42
15. ndayz = 3
16. ElseIf Dayofweek = "Thursday" Then
17. x = 0 + 84 + 84
18. ndayz = 4
19. ElseIf Dayofweek = "Friday" Then
20. x = 0 + 84 + 84 + 42
21. ndayz = 5
22. ElseIf Dayofweek = "Saturday" Then
23. x = 0 + 84 + 84 + 84
24. ndayz = 6
25. End If
26. Return x
28. End Function

Next, we will go for coding the searching button then we will use the Function CheckDay() for this to validate the inputted date.

1. Private Sub buttonGo\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles buttonGo.Click
2. If comboBoxMonth.Text = Nothing Or textBoxYear.Text = Nothing Then
3. MessageBox.Show("Either year or month is incorrect")
4. Else
5. Try
6. Dim t As Int32 = Convert.ToInt32(textBoxYear.Text)
7. If Not textBoxYear.Text = "0" Or t < 1 Then
8. *'remove all the controls in the panel*
9. panel1.Controls.Clear()
10. My.Application.ChangeCulture(CurrentCulture)
11. *'display the selected month's fullname*
12. labelMonth.Text = Application.CurrentCulture.DateTimeFormat.GetMonthName(Convert.ToInt32(comboBoxMonth.Text))
13. My.Application.ChangeCulture("en-za")
14. Dim Dayz As Int32 = DateTime.DaysInMonth(Convert.ToInt32(textBoxYear.Text), Convert.ToInt32(comboBoxMonth.Text))
15. CheckDay()
16. For i As Int32 = 1 To Dayz
17. ndayz += 1
18. lblDayz = New Label()
19. lblDayz.Text = i.ToString()
20. lblDayz.BorderStyle = BorderStyle.Fixed3D
21. Dim mon As Int32 = Convert.ToInt32(comboBoxMonth.Text)
22. Dim years As Int32 = Convert.ToInt32(textBoxYear.Text)
23. If ((i = DateTime.Now.Day) And (mon = DateTime.Now.Month) And (years = DateTime.Now.Year)) Then
24. *'the current day must be highlighted differently*
25. lblDayz.BackColor = Color.Green
26. ElseIf ndayz = 1 Then
27. lblDayz.BackColor = Color.Red
28. Else
29. *'set this color for other days in the selected month*
30. lblDayz.BackColor = Color.Aquamarine
31. End If
32. lblDayz.Font = label31.Font
33. lblDayz.SetBounds(x, y, 37, 27)
34. x += 42
35. If ndayz = 7 Then
36. x = 0
37. ndayz = 0
38. y += 29
39. End If
40. panel1.Controls.Add(lblDayz)
41. Next
42. x = 0
43. ndayz = 0
44. y = 0
45. Else
46. MessageBox.Show("must be between 0 and 9999")
47. textBoxYear.Focus()
48. End If
49. Catch er As FormatException
50. MessageBox.Show("Year must be between 0 and 9999")
51. textBoxYear.Focus()
52. End Try
53. End If
54. End Sub

For displaying the next date, we will code for Button1\_click. Have this code below:

1. Private Sub button1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles button1.Click
2. Try
3. Dim currentmonth, currentyear As Int32
4. currentyear = Convert.ToInt32(textBoxYear.Text)
5. currentmonth = Convert.ToInt32(comboBoxMonth.Text)
6. If (currentmonth = 12) Then
7. *'move to the next month*
8. currentyear += 1
9. currentmonth = 1
10. textBoxYear.Text = currentyear.ToString()
11. comboBoxMonth.Text = currentmonth.ToString()
12. Else
13. currentmonth += 1
14. comboBoxMonth.Text = currentmonth.ToString()
15. End If
16. *'remove all the controls in the panel*
17. panel1.Controls.Clear()
18. *'Display the month's name in the windows culture*
19. My.Application.ChangeCulture(CurrentCulture)
20. *'display the selected month's fullname*
21. labelMonth.Text = Application.CurrentCulture.DateTimeFormat.GetMonthName(currentmonth)
22. *'This project was created in a computer using en-za*
23. My.Application.ChangeCulture("en-za")
24. Dim Dayz As Int32 = DateTime.DaysInMonth(Convert.ToInt32(textBoxYear.Text), Convert.ToInt32(comboBoxMonth.Text))
25. CheckDay()
26. For i As Int32 = 1 To Dayz
27. ndayz += 1
28. lblDayz = New Label()
29. lblDayz.Text = i.ToString()
30. lblDayz.BorderStyle = BorderStyle.Fixed3D
31. Dim mon As Int32 = Convert.ToInt32(comboBoxMonth.Text)
32. Dim years As Int32 = Convert.ToInt32(textBoxYear.Text)
33. If ((i = DateTime.Now.Day) And (mon = DateTime.Now.Month) And (years = DateTime.Now.Year)) Then
34. *'the current day must be highlighted differently*
35. lblDayz.BackColor = Color.Green
36. ElseIf (ndayz = 1) Then
37. lblDayz.BackColor = Color.Red
38. Else
39. *'set this color for other days in the selected month*
40. lblDayz.BackColor = Color.Aquamarine
41. End If
42. lblDayz.Font = label31.Font
43. lblDayz.SetBounds(x, y, 37, 27)
44. x += 42
45. If (ndayz = 7) Then
46. x = 0
47. ndayz = 0
48. y += 29
49. End If
50. panel1.Controls.Add(lblDayz)
51. Next
52. x = 0
53. ndayz = 0
54. y = 0
55. Catch et As FormatException
56. MessageBox.Show("Invalid date has been entered")
57. textBoxYear.Focus()
58. Catch ex As NullReferenceException
59. MessageBox.Show("Invalid date has been entered")
60. textBoxYear.Focus()
61. End Try
62. End Sub

For displaying the previous date, we will code for Button2\_click. Have this code below:

1. Private Sub button2\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles button2.Click
2. Try
3. Dim currentmonth, currentyear As Int32
4. currentyear = Convert.ToInt32(textBoxYear.Text)
5. currentmonth = Convert.ToInt32(comboBoxMonth.Text)
6. If currentmonth = 1 Then
7. *'go to the previous month*
8. currentyear -= 1
9. *'go to the last month*
10. currentmonth = 12
11. textBoxYear.Text = currentyear.ToString()
12. comboBoxMonth.Text = currentmonth.ToString()
13. Else
14. *'go to the previous month*
15. currentmonth -= 1
16. comboBoxMonth.Text = currentmonth.ToString()
17. End If
18. *'remove all the controls in the panel*
19. panel1.Controls.Clear()
21. My.Application.ChangeCulture(CurrentCulture)
22. *'display the selected month's fullname*
23. labelMonth.Text = Application.CurrentCulture.DateTimeFormat.GetMonthName(currentmonth)
24. My.Application.ChangeCulture("en-za")
25. Dim Dayz As Int32 = DateTime.DaysInMonth(Convert.ToInt32(textBoxYear.Text), Convert.ToInt32(comboBoxMonth.Text))
26. CheckDay()
27. For i As Int32 = 1 To Dayz
28. ndayz += 1
29. lblDayz = New Label()
30. lblDayz.Text = i.ToString()
31. lblDayz.BorderStyle = BorderStyle.Fixed3D
32. Dim mon As Int32 = Convert.ToInt32(comboBoxMonth.Text)
33. Dim years As Int32 = Convert.ToInt32(textBoxYear.Text)
34. If ((i = DateTime.Now.Day) And (mon = DateTime.Now.Month) And (years = DateTime.Now.Year)) Then
35. *'the current day must be highlighted differently*
36. lblDayz.BackColor = Color.Green
37. ElseIf ndayz = 1 Then
38. *'highlight the sunday's in red color*
39. lblDayz.BackColor = Color.Red
40. Else
41. *'set this color for other days in the selected month*
42. lblDayz.BackColor = Color.Aquamarine
43. End If
44. lblDayz.Font = label31.Font
45. lblDayz.SetBounds(x, y, 37, 27)
46. x += 42
47. If (ndayz = 7) Then
48. x = 0
49. ndayz = 0
50. y += 29
51. End If
52. panel1.Controls.Add(lblDayz)
53. Next
54. x = 0
55. ndayz = 0
56. y = 0
57. Catch er As FormatException
58. MessageBox.Show("Invalid date has been entered")
59. textBoxYear.Focus()
60. Catch ex As NullReferenceException
61. MessageBox.Show("Invalid date has been entered")
62. textBoxYear.Focus()
63. End Try
64. End Sub

**Output:**

