

Practical No 13 & 14

VIII. Resources required (Additional)

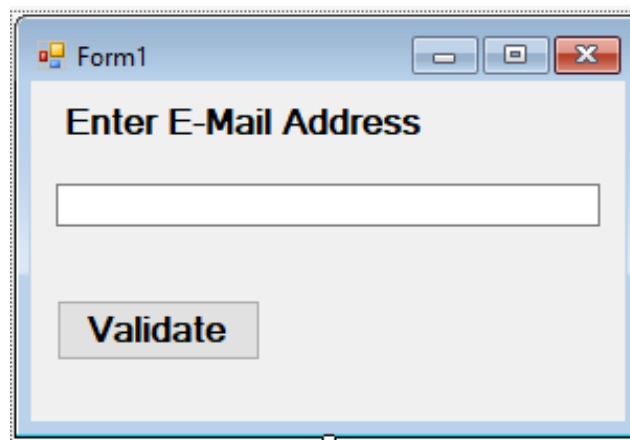
→ If any web resources required.

X. Resources used (Additional)

- https://www.tutorialspoint.com/vb.net/vb.net_regular_expressions.htm
- <https://docs.microsoft.com/en-us/dotnet/standard/base-types/regular-expressions>
- <https://docs.microsoft.com/en-us/dotnet/api/system.windows.forms.errorprovider>

XI. Program Code

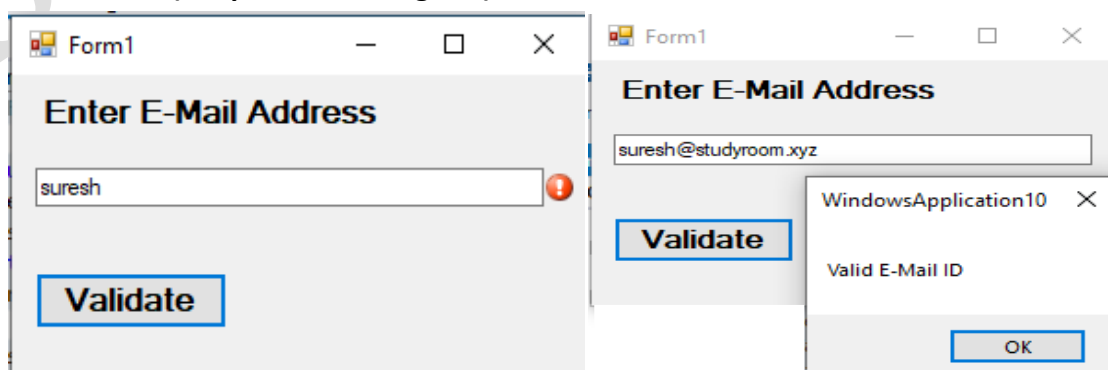
1. Write a program using Error Provider and Regular Expression.



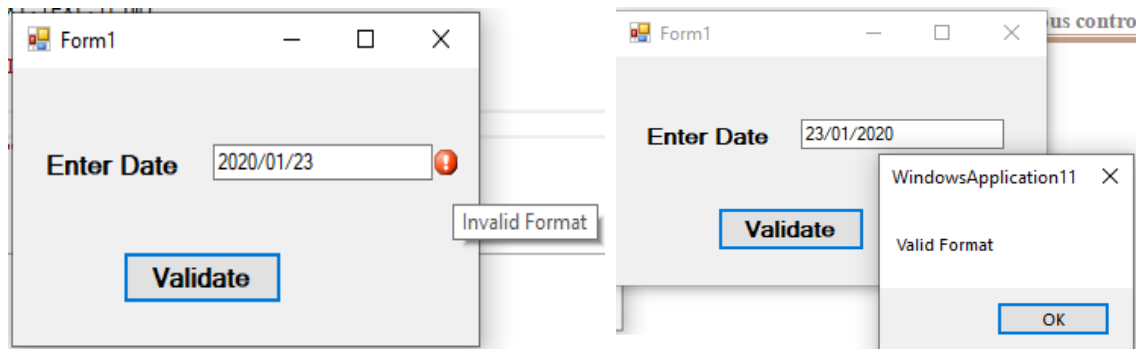
```
Imports System.Text.RegularExpressions  
Public Class Form1
```

```
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click  
    Dim regex As Regex = New Regex("^[([w-\.]+)@([([0-9]{1,3}\.([0-9]{1,3}\.([0-9]{1,3}\.([0-9]{1,3})|([w-]+\.))+)([a-zA-Z]{2,4})|([0-9]{1,3}){1,3})([?])$")  
    Dim isValid As Boolean = regex.IsMatch(TextBox1.Text.Trim)  
    If Not isValid Then  
        ErrorProvider1.SetError(TextBox1, "Invalid E-mail ID")  
    Else  
        MsgBox("Valid E-Mail ID")  
    End If  
End Sub  
End Class
```

XII. Results (Output of the Program)

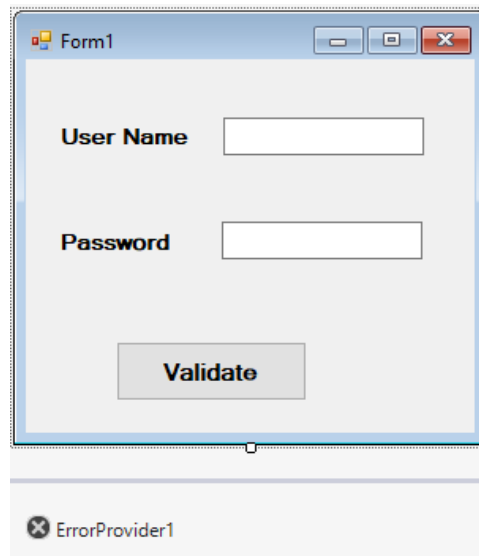


OUTPUT:



XIV. Exercise

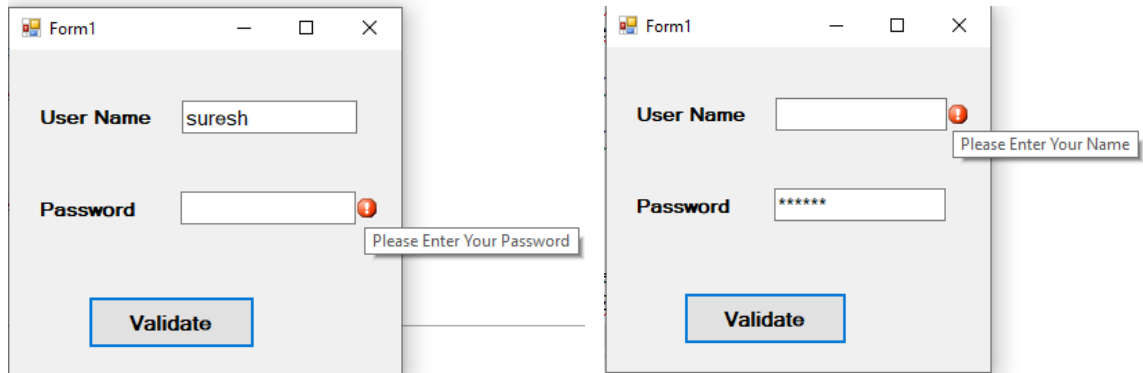
1. Write a program using ErrorProvider for username and password authentication.



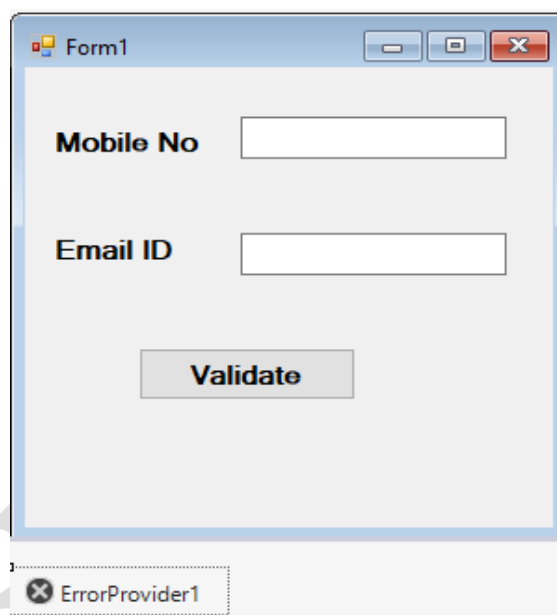
Public Class Form1

```
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    If TextBox1.Text = "" Then
        ErrorProvider1.SetError(TextBox1, "Please Enter Your Name")
    Else
        ErrorProvider1.SetError(TextBox1, "")
    End If
    If TextBox2.Text = "" Then
        ErrorProvider1.SetError(TextBox2, "Please Enter Your Password")
    Else
        ErrorProvider1.SetError(TextBox2, "")
    End If
End Sub
End Class
```

OUTPUT:



- Write a program using ErrorProvider for control to validate Mobile Number and Email ID in GUI application.



Imports System.Text.RegularExpressions

Public Class Form1

Private Sub Button1_Click(sender As Object, e As EventArgs) **Handles** Button1.Click

Dim number As New Regex("\d{10}")

If number.IsMatch(TextBox1.Text) **Then**

ErrorProvider1.SetError(TextBox1, "")

MsgBox("Valid Phone Number")

Else

ErrorProvider1.SetError(TextBox1, "Invalid Phone Number")

End If

Dim regex As Regex = New Regex("^([w-\.]*)@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.)([w-]+\.))([a-zA-Z]{2,4}[0-9]{1,3})(\?)\$")

Dim isValid As Boolean = regex.IsMatch(TextBox2.Text.Trim)

If Not isValid **Then**

ErrorProvider1.SetError(TextBox2, "Invalid E-mail ID")

Else

ErrorProvider1.SetError(TextBox2, "")

MsgBox("Valid E-Mail ID")

End If

End Sub

End Class

OUTPUT:

