程式碼：

Public Class Form1

'宣告userDict為一個以String型態為Key，UserRec為值之Dictionary

Dim userdict As UserRec

Public Structure UserRec

Public username As String

Public passwd As String

Public sex As Boolean

Public userType As String

Public email As String

End Structure

Public Sub ClearUserData()

Me.userTypeCB1.SelectedIndex = 0

Me.nameTB1.Text = ""

Me.pwdTB1.Text = ""

Me.pwdCTB1.Text = ""

Me.sexMRB1.Checked = True

Me.emailTB1.Text = ""

End Sub

Private Sub Button1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

Dim rec As New UserRec

rec = userdict '從userDict取出帳號資料

If rec.passwd = pwdTB.Text And rec.username = userTB.Text And pwdTB.Text <> "" And userTB.Text <> "" Then '檢查帳號是否存在，密碼是否正確

TabControl1.SelectedTab = TabUserData

'將帳號資料顯示於基本資料TabPage

nameTB2.Text = userdict.username

pwdTB2.Text = userdict.passwd

emailLabel.Text = userdict.email

If userdict.sex = True Then

sexFRB2.Checked = True

Else : sexMRB2.Checked = True

End If

userTypeCB.Text = userdict.userType

ElseIf rec.passwd <> pwdTB.Text And rec.username = userTB.Text Then

MessageBox.Show("密碼錯誤!", "密碼錯誤", MessageBoxButtons.OK, MessageBoxIcon.Warning)

pwdTB.Text = ""

Else

'若帳號不存在，顯示警告訊息，並跳至"新增"TabPage

Dim msg As String

msg = "使用者 " & Me.userTB.Text & "不存在!" & vbCrLf & "請新增使用者資料"

MessageBox.Show(msg, "登入錯誤!", MessageBoxButtons.OK, MessageBoxIcon.Warning)

TabControl1.SelectedTab = TabNewUser

End If

End Sub

Private Sub Button4\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click

Dim rec As New UserRec

rec = userdict '檢查使用者是否已存在

If rec.username = nameTB1.Text Then

MessageBox.Show("使用者 " & Me.nameTB1.Text & "已存在!", "查詢結果", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("使用者 " & Me.nameTB1.Text & "不存在!" & vbCrLf & "可以繼續輸入資料", "查詢結果", MessageBoxButtons.OK, MessageBoxIcon.Information)

End If

End Sub

Private Sub Button3\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click

Dim rec As New UserRec

rec = userdict

If nameTB1.Text <> "" And pwdTB1.Text <> "" And pwdCTB1.Text <> "" Then '檢查是否輸入使用者名稱與密碼

'檢查使用者是否已存在

If rec.username = nameTB1.Text Then

MessageBox.Show("使用者 " & Me.nameTB1.Text & "已存在!", "查詢結果", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

'檢查密碼是否一致

If pwdTB1.Text = pwdCTB1.Text Then

userdict.username = nameTB1.Text '若不存在，使用者帳號資料存入userDict

userdict.email = emailTB1.Text

userdict.passwd = pwdTB1.Text

userdict.userType = userTypeCB1.SelectedItem.ToString

If sexMRB1.Checked = True Then

rec.sex = True

End If

MsgBox("新增完成，請重新登錄!", , "新增完成")

TabControl1.SelectedTab = TabLogin '跳至"登入"TabPage

userTB.Text = userdict.username

pwdTB.Text = ""

Else

MsgBox("密碼不一致!", MessageBoxIcon.Warning, "輸入錯誤")

End If

End If

ElseIf nameTB1.Text = "" Or pwdTB1.Text = "" Or pwdCTB1.Text = "" Then

MsgBox("資料不齊全!", MessageBoxIcon.Warning, "輸入錯誤")

End If

End Sub

Private Sub TabControl1\_Enter(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles TabControl1.Enter

Me.userTypeCB1.SelectedText = "系統管理者"

End Sub

Private Sub TabControl1\_Selected(ByVal sender As System.Object, ByVal e As System.Windows.Forms.TabControlEventArgs) Handles TabControl1.Selected

ClearUserData()

End Sub

Private Sub Button5\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button5.Click

ClearUserData()

End Sub

Private Sub Button2\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click

Me.userTB.Text = ""

Me.pwdTB.Text = ""

End Sub

End Class