In this exercise you will create an HTML “Form” to perform authentication. You will create username and password textboxes along with Submit, Reset and Help buttons.

1. Ensure you are connected to your **v:** drive (net use v: \\coit-ts2003.uncc.edu\yourid) or have your thumb drive in place.
2. Start **Visual Studio 2005**. In *Recent Projects* click Create: *Web Site…* to open the *New Web S*ite window.
3. In the New Web Site pane: In the Templates pane, click the **ASP.NET Web Site** icon. In the *Location:* line click on Browse… and select your v: drive (or your thumb drive letter is you have a thumb drive connected) and add \**Authent** to the end of the name, e.g. v:\Authent. . If the Location already has *WebSite1* at the end change that to **Authent**. Ensure *Language:* is set to Visual Basic. Click **OK** to create the solution, project, and default files. Note that an aspx file named Default.aspx along with a folder App\_Data and another file web.config is created automatically for you. You can delete the Default.aspx file.
4. Right click the **v:\Authent** entry and click *New Folder*. Change the name of New Folder to **Authenticator**.
5. Right click the **Authenticator** folder and select Add New Item…. Select *Web Form*, and change *Name: Default.aspx* to **Login.aspx**. Ensure *Language* is set to *Visual Basic*. Finally click ***Add***.
6. Ensure you are in the Design page vs. the Source page for **Login.aspx**. From the *Toolbox* click on and drag a *Textbox* into the design grid. Right-click somewhere in the page (but not on the new textbox) and select **Run As Server Control**.
	1. Next, click on the new textbox and in the Properties window, change the Label (ID) property to **txtUsername**.
	2. Open the **Style Builder** by right clicking the label and select **Style….**  In the *Style Builder* select the *Position* tab and change *Position mode* to *Absolutely position* and set the following: *Top*: **100**, *Left:* **145**. Click **OK.**
7. Repeat step 6 and drag and drop a Textbox into the design grid. Change the (ID) to **txtPassword**. Use the **Style Builder** to change the position to top: **150**, left: **145**. Click **OK**. This a sensitive password box so we need to mask what is being typed. In *Properties*, click on *TextMode*, then click the *down arrow* and select **Password**.
8. Add two labels, one for Username and one for Password on the right of the respective text boxes. Give them IDs of lblUsername and lblPassword respectively. At this point you should be able to properly position them. (Hint: after changing the *Position mode*: to *Absolutely position* you can drag and drop the labels to the rough position, then fine tune it through *Style Builder*.)
9. Drag and drop a **Button** control from the Toolbox and position to below the Password control. In the Properties window, change the (ID) properties to **btnSubmit**. Change the Text property to **Sign In**. Use the **Style Builder** to change the position to top: **200**, left: **145**. Click the **OK** button.
10. Drag and drop another **Button** control from the Toolbox and position below the Password control. In the Properties window, change the (ID) to **btnReset.** Change the Text property to **Reset**. Use the **Style Builder** to change the position to top: **200**, left: **272**. Click the **OK** button.
11. Drag and drop a last **Button** control from the Toolbox. Change the (ID) to **btnHelp.** Change the Text property to **Help**. Use the **Style Builder** to change the position to top: **200**, left: **472**. Click the **OK** button.
12. Drag and drop a Label from the Toolbox to the design grid. Change the *(ID)* property to **lblTitle** and delete the text in ***Text*** property. Use **Style Builder** to change the position to Top: **250**, Left **150**.
13. Double-click in any blank area in the Login.aspx design grid. This will pop-up the Login.aspx.vb code page. In the Page\_Load event handler (between the *Protected Sub Page\_Load(*… and *End Sub*), type the code below. This code assigns the default message into the Text property and hides the Help button.

lblTitle.Text=”Please log into our Customer Support Area.”

btnHelp.Visible=False

1. Click the **Login.aspx** page to return to the Design view. Double-click the **Sign In** Submit button to bring up the .vb page. Between *Protected Sub btnSubmit\_Click(…* and *End Sub* type in the code below. This code hides the Help button if it’s visible. If the user is not authenticated, a message instructing him or her to click on the Help button is displayed in the label, and the Help button is made visible.

If ((txtUsername.Text = “bruce”) And (txtPassword.Text=”itis2300”)) Then

lblTitle.Text=”You are authenticated!”

Else

lblTitle.Text = “Please click on the Help button for help!”

txtUsername.Text = “”

txtPassword.Text = ””

btnHelp.Visible = True

End If

1. Click the **Login.aspx** tab to return to the page. Double-click the **Reset** button. Enter the following code, in the btnReset\_Click routine. This code clears the input text boxes.

txtUsername.Text = “”

 txtPassword.Text = ””

1. Click the **Login.aspx** tab to return to the page. Double-click the Help button. Enter the following code, in the btnHelp\_Click routine. This code displays the Help label.

lblTitle.Text=”Please log into our Customer Support Area.”

btnHelp.visible=False

1. Click the **Login.aspx** tab to return to the Web page. Click the Save All icon. Go to the Build menu and select **Build Solution**. Right-click the page and then select View in Browser. Close each of the pages you created.
2. Publish the results to your id: Click **WebSite**. Click **Copy Web Site.** Click **Connect.** Select **FTP Site**. Type in Server Name as *coit-ts2003.uncc.edu*. (make sure you enter it correctly) Unclick the **Anonymous Login** and input your username and your SSN password. Click **Open**. If Windows shows you a block message, just **unblock** it. Select the folder **Authenticator** which you have created today. Click **copy…to** button in the middle.
3. Launch a browser. In the Address text box enter:

http://coit-ts2003.uncc.edu/*<username>*/Authenticator/Login.aspx

Try the logging in with good and bad user ids and note the results. View the source for this code and you’ll see why this is a more secure way to verify than the method shown in Chapter 15 of Programming the Web. Why?
4. Close Visual Studio and try to access your page from another browser on another machine.

Your page should look like this:



