**AUTHENTICATION AND AUTHORIZATION**

1. **AUTHENTICATION**

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| --- | --- |
| 1. In Solution Explorer, click **Build** and then **ASP.NET Configuration** |  |
| Go to **Security Page** and change the authentication |  |
| Type from local to Internet (**Windows** to **Forms**)  In the **ASP.Net Web Application Administration – Windows Internet**  **Explorer** window, click **Security**.  Click  **“Done”** |  |
| Click **Create user**. |  |
| Fill out the information to create a new user, using the following information.  Two users 90980 and James |  |
| **Add roles**  1. In the ASP.NET Web Site Administration Tool, click **Security**.  2. Click **Enable roles**. |  |
| 3. Click **Create or Manage roles**.  4. In the **New role name** box, type **Administration**, and then click **Add Role**.  • If the **AutoComplete** dialog box appears, in the **AutoComplete** dialog  box, click **No**.  5. In the **New role name** box, type **Contributor**, and then click **Add Role**.  Click **Manage** for the **Contributor** role. |  |
| Type **\*** in the **for** box, and then click **Find User**.  Select the **User Is In Role** check box next to user **James**.  Click **Back**. |  |
| Assign role Administrator to 90980 and to James  Select Manage Administrator first and then check for both users |  |
| In the web config assign the authentication mode | <authentication mode="Forms">  **Note:** When changing the authentication type in the ASP.NET Web Site  Administration Tool to **From the internet**, the **Web.config** file is updated  automatically. |
| Add a redirect to the existing **Login.aspx** Web Form in the **Account** folder, by  modifying the self-closing **authentication** tag. | <authentication mode="Forms">  <forms loginUrl="~/Account/Login.aspx" timeout="2880" />  </authentication>  </system.web>  </configuration> |
|  |  |

In the **Account\Login.aspx** examine the markup for the Login control, including the UserName and

Password TextBox controls, as well as the **RememberMe CheckBox** control

<h2>

Log In

</h2>

<p>

Please enter your username and password.

<asp:HyperLink ID="RegisterHyperLink" runat="server" EnableViewState="false">Register</asp:HyperLink>

if you don't have an account.

</p>

<asp:Login ID="LoginUser" runat="server" EnableViewState="false" RenderOuterTable="false">

<LayoutTemplate>

<span class="failureNotification">

<asp:Literal ID="FailureText" runat="server"></asp:Literal>

</span>

<asp:ValidationSummary ID="LoginUserValidationSummary" runat="server"

CssClass="failureNotification" ValidationGroup="LoginUserValidationGroup" />

<div class="accountInfo">

<fieldset class="login">

|  |
| --- |
| <legend>Account Information</legend>  <p>  <asp:Label ID="UserNameLabel" runat="server"  AssociatedControlID="UserName">Username:</asp:Label>  <asp:TextBox ID="UserName" runat="server"  CssClass="textEntry"></asp:TextBox>  <asp:RequiredFieldValidator ID="UserNameRequired"  runat="server" ControlToValidate="UserName"  CssClass="failureNotification"  ErrorMessage="User Name is required."  ToolTip="User Name is required."  ValidationGroup="LoginUserValidationGroup">\*</asp:RequiredFieldValidator>  </p> |
| <p>  <asp:HyperLink ID="EmailPasswordHyperLink" runat="server"  NavigateUrl="~/Account/EmailPassword.aspx"  CausesValidation="false">Forgot Password?</asp:HyperLink>  <asp:Label ID="PasswordLabel" runat="server" AssociatedControlID="Password">Password:</asp:Label>  <asp:TextBox ID="Password" runat="server"  CssClass="passwordEntry" TextMode="Password">  </asp:TextBox>  <asp:RequiredFieldValidator ID="PasswordRequired"  runat="server" ControlToValidate="Password"  CssClass="failureNotification"  ErrorMessage="Password is required."  ToolTip="Password is required."  ValidationGroup="LoginUserValidationGroup">\*</asp:RequiredFieldValidator>  </p> |
| <p>  <asp:CheckBox ID="RememberMe" runat="server" />  <asp:Label ID="RememberMeLabel" runat="server"  AssociatedControlID="RememberMe"  CssClass="inline">Keep me logged in  </asp:Label>  </p> |
|  |

</fieldset>

<p class="submitButton">

<asp:Button ID="LoginButton" runat="server"

CommandName="Login" Text="Log In"

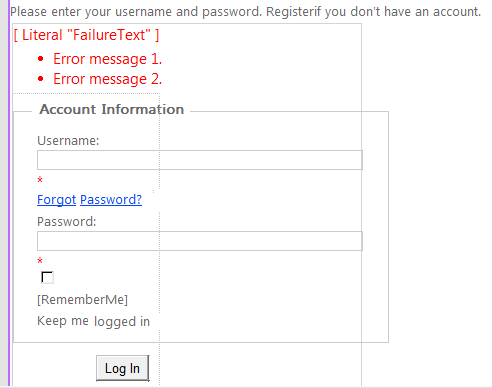
ValidationGroup="LoginUserValidationGroup" />

</p>

</div>

</LayoutTemplate>

</asp:Login>



**CODE BEHIND OF ACCOUNT\LOGIN.ASPX**

using System.Web.Security;

namespace AdventureWorks.Account

{

public partial class Login : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

RegisterHyperLink.NavigateUrl = "Register.aspx?ReturnUrl=" +

HttpUtility.UrlEncode(Request.QueryString["ReturnUrl"]);

}

protected void LoginUser\_Authenticate(object sender, AuthenticateEventArgs e)

{

// Get the membership details for the user

MembershipUser user = Membership.GetUser(LoginUser.UserName.Trim());

// Did we find the user?

if (user != null)

{

// Check if the user password has expired after 90 days

if (DateTime.Now.Subtract(user.LastPasswordChangedDate).TotalDays >= 90)

{

Response.Redirect("PasswordExpired.aspx");

}

else

{

// Authenticate user

if (Membership.ValidateUser(LoginUser.UserName.Trim(), LoginUser.Password.Trim()))

e.Authenticated = true;

}

}

}

}

}

**RECOVERY PASSWORD EmailPassword.aspx**

Nothing in the code behind, only the control, type the user (90980 or James) and the password is sent to their emails

|  |  |
| --- | --- |
|  |  |
|  | <asp:PasswordRecovery  ID="PasswordRecovery1"  runat="server">  </asp:PasswordRecovery> |

Configure the web config to send the email in mailsetting

**WEB CONFIG**

<?xml version="1.0"?>

<configuration>

<appSettings />

|  |
| --- |
| <connectionStrings><add name="AdventureWorksEntities" connectionString="metadata=res://\*/AdventureWorks.csdl|res://\*/AdventureWorks.ssdl|res://\*/AdventureWorks.msl;provider=System.Data.SqlClient;provider connection string=&quot;Data Source=.\sqlexpress;Initial Catalog=AdventureWorksLT2008R2;Integrated Security=True;MultipleActiveResultSets=True&quot;" providerName="System.Data.EntityClient" /></connectionStrings> |
| <system.web>  <roleManager enabled="true" />  <compilation debug="true" targetFramework="4.0">  <assemblies>  <add assembly="System.Data.Entity, Version=4.0.0.0, Culture=neutral,  PublicKeyToken=b77a5c561934e089" />  </assemblies>  </compilation> |
| <authentication mode="Forms">  <forms loginUrl="~/Account/Login.aspx" timeout="2880" />  </authentication>  </system.web> |
| <system.net>  <mailSettings>  <smtp from="someone@adventureworks.com">  <network host="yourhost" userName="hostusername" password="hostpassword" />  </smtp>  </mailSettings>  </system.net> |

</configuration>

1. **AUTHORIZATION**