

Creating_a_simple_login_system_using_forms_authentication

- Creating a login page
- Creating an admin page
- Updating the project to use forms authentication

Build

Rebuild

Clean

View

Analyze

Publish...

Overview

Scope to This

New Solution Explorer View

Add

Manage NuGet Packages...

Manage Client-Side Libraries...

Set as StartUp Project

Debug

Initialize Interactive with Project

Source Control

Cut

Paste

Remove

Rename

Unload Project

Open Folder in File Explorer

Properties

Ctrl+Shift+A

Shift+Alt+A

New Item...

Existing Item...

New Scaffolded Item...

New Folder

Add ASP.NET Folder

Container Orchestrator Support

Application Insights Telemetry...

REST API Client...

Client-Side Library...

New Azure WebJob Project

Existing Project as Azure WebJob

Reference...

Service Reference...

Connected Service

Analyzer...

HTML Page

JavaScript File

Style Sheet

Web Form

MVC 5 View Page (Razor)

Web API Controller Class (v2.1)

SQL Server Database

Interface

TypeScript File

Class...

Solution Explorer

MyBlog

Connected Services

Properties

References

o_Data

pts

app.ts

ArticleManager.ts

documentHelper.ts

ArticleInfo.ts

ArticleInfo.cs

ArticleManager.cs

FakeArticleDataProvider.cs

ArticleDataProvider.cs

fault.aspx

NextArticle.aspx

in.css

kages.config

o.config

Team Explorer

Properties

When Debugg True

Anonymous Authentication Enabled

Managed Pipeline Mode Integrated

SSL Enabled False

SSL URL

URL http://localhost:60421/

Windows Authentication Disabled

Misc

Project File MyBlog.csproj

Project Folder C:#MyBlog#MyBlog#MyBlog

Development Server

Specify Name for Item

Item name: Admin

OK Cancel

```
1  <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Admin.aspx.cs" Inherits="MyBlog.Admin" %>
2
3  <!DOCTYPE html>
4
5  <html xmlns="http://www.w3.org/1999/xhtml">
6  <head runat="server">
7      <title>Admin Home</title>
8  </head>
9  <body>
10     <form id="form1" runat="server">
11         <h1>Admin Home</h1>
12         <ul>
13             <li><a href="Default.aspx">Home</a></li>
14         </ul>
15         <div>
16             <asp:Button ID="logoutButton" Text="Logout" OnClick="" runat="server" />
17         </div>
18     </form>
19 </body>
20 </html>
21
```

⚡ <Create New Event>

⚡ logoutButton_Click

⚡ Page_Load

aspx + SQLQuery1.sql * dbo.Articles [Design] Default.aspx main.css app.ts Admin.aspx.designer.cs

```
1 <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Admin.aspx.cs" Inherits="MyBlog.Admin" %>
2
3 <!DOCTYPE html>
4
5 <html xmlns="http://www.w3.org/1999/xhtml">
6 <head runat="server">
7     <title>Admin Home</title>
8 </head>
9 <body>
10     <form id="form1" runat="server">
11         <h1>Admin Home</h1>
12         <ul>
13             <li><a href="Default.aspx">Home</a></li>
14         </ul>
15         <div>
16             <asp:Button ID="logoutButton" Text="logout" OnClick="logoutButton_Click" runat="server" />
17         </div>
18     </form>
19 </body>
20 </html>
21
```

Solution Explorer

Search Solution Explorer (Ctrl+)

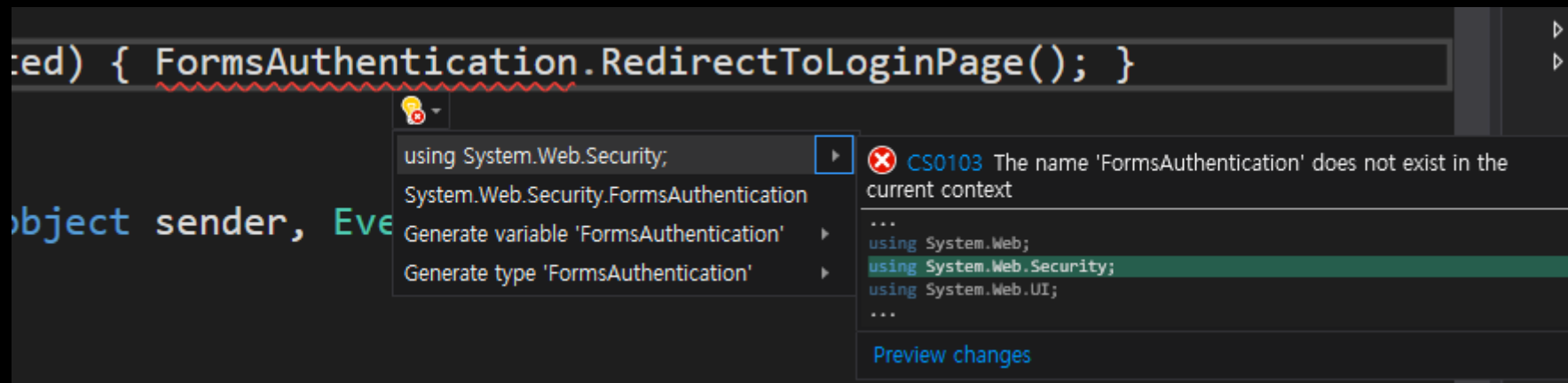
Solution 'MyBlog' (1 project)

- MyBlog
 - Connected Services
 - Properties
 - References
 - App_Data
 - scripts
 - app.ts
 - ArticleManager.ts
 - documentHelper.ts
 - IArticleInfo.ts
 - src
 - ArticleInfo.cs
 - ArticleManager.cs
 - FakeArticleDataProvider.cs
 - IArticleDataProvider.cs
 - Admin.aspx
 - Admin.aspx.cs
 - Admin.aspx.designer.cs
 - Default.aspx
 - GetNextArticle.aspx
 - main.css
 - packages.config
 - Web.config

Solution Explorer | Team Explorer

Properties

Misc (id)



```

1  using System;
2      using System.Collections.Generic;
3      using System.Linq;
4      using System.Web;
5      using System.Web.Security;
6      using System.Web.UI;
7      using System.Web.UI.WebControls;
8
9  namespace MyBlog
10 {
11     public partial class Admin : System.Web.UI.Page
12     {
13         protected void Page_Load(object sender, EventArgs e) {
14             //Boot out if not logged in.
15             if(!User.Identity.IsAuthenticated) { FormsAuthentication.RedirectToLoginPage(); }
16         }
17
18         protected void logoutButton_Click(object sender, EventArgs e) {
19             FormsAuthentication.SignOut();
20             Session.Abandon();
21             FormsAuthentication.RedirectToLoginPage();
22         }
23     }
24 }

```

The image shows a screenshot of the Visual Studio IDE. On the left, the 'Add' menu is open, displaying a list of options for adding new items to the project. The options include 'New Item...', 'Existing Item...', 'New Scaffolded Item...', 'New Folder', 'Add ASP.NET Folder', 'Container Orchestrator Support', 'Application Insights Telemetry...', 'REST API Client...', 'Client-Side Library...', 'New Azure WebJob Project', 'Existing Project as Azure WebJob', 'Reference...', 'Service Reference...', 'Connected Service', 'Analyzer...', 'HTML Page', 'JavaScript File', 'Style Sheet', 'Web Form', 'MVC 5 View Page (Razor)', 'Web API Controller Class (v2.1)', 'SQL Server Database', 'Interface', 'TypeScript File', and 'Class...'. The 'Web Form' option is currently selected. On the right, the 'Add' sub-menu is open, showing options like 'Anonymous Authentication Enabled', 'Managed Pipeline Mode', 'SSL Enabled', 'SSL URL', 'URL', 'Windows Authentication', 'Misc', 'Project File', and 'Project Folder'. The 'Misc' option is selected. The background shows the Solution Explorer with a project named 'MyBlog' and the File Explorer showing the project's file structure.

```
aspx.cs* Login.aspx Admin.aspx.cs Admin.aspx SQLQuery1.sql * dbo.Articles [Design] Default.aspx main.css app.ts
1 <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Login.aspx.cs" Inherits="MyBlog.Login" %>
2
3 <!DOCTYPE html>
4
5 <html xmlns="http://www.w3.org/1999/xhtml">
6 <head runat="server">
7     <title></title>
8 </head>
9 <body>
10     <h1>Login</h1>
11     <ul>
12         <li><a href="Default.aspx">Home</a></li>
13     </ul>
14     <form id="form1" runat="server">
15         <div>
16             Username: <asp:TextBox ID="username" runat="server" /><br />
17             Password: <asp:TextBox ID="password" runat="server" TextMode="Password"/><br />
18             <asp:Button ID="loginButton" Text="Login" OnClick="loginButton_Click" runat="server" />
19         </div>
20     </form>
21 </body>
22 </html>
23
```


login.aspx.cs Login.aspx Admin.aspx.cs Admin.aspx SQLQuery1.sql * dbo.Articles [Design] Default.aspx main.css app.ts Admin.aspx.designer.cs

MyBlog MyBlog.Login username

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Web;
5 using System.Web.Security;
6 using System.Web.UI;
7 using System.Web.UI.WebControls;
8
9 namespace MyBlog
10 {
11     public partial class Login : System.Web.UI.Page {
12         protected void Page_Load(object sender, EventArgs e) {
13
14         }
15
16         protected void loginButton_Click(object sender, EventArgs e) {
17             if(username.Text.ToLower() == "admin" && password.Text == "password") { FormsAuthentication.RedirectFromLoginPage(username.Text, true);
18             else { Response.Write("Login failed!"); }
19         }
20     }
21 }
```

Web.config

```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <system.web>
    <compilation debug="true" targetFramework="4.6.1"/>
    <httpRuntime targetFramework="4.6.1"/>
    <authentication mode="Forms">
      <forms loginUrl="Login.aspx" slidingExpiration="true" timeout="90" protection="All" />
    </authentication>
    <authorization>
      <deny users="?" />
    </authorization>
  </system.web>
  <location path="Default.aspx">
    <system.web>
      <authorization>
        <allow users="*" />
      </authorization>
    </system.web>
  </location>
  <location path="GetNextArticle.aspx">
    <system.web>
      <authorization>
        <allow users="*" />
      </authorization>
    </system.web>
  </location>
```

```
<system.codedom>
  <compilers>
    <compiler language="c#;cs;csharp" extension=".cs"
      type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"
      warningLevel="4" compilerOptions="/langversion:default /nowarn:1659;1699;1701"/>
    <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb"
      type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35"
      warningLevel="4" compilerOptions="/langversion:default /nowarn:41008 /define:_MYTYPE=\&quot;Web\&quot;
/optInfer+"/>
  </compilers>
</system.codedom>

</configuration>
```