



Security - Forms Authentication

By Dr Derek Peacock

Web.config

Alternative is Windows mode

```
<authentication mode="Forms">  
  <forms loginUrl="~/Account/Login" timeout="2880" defaultUrl="~/\" />  
</authentication>
```

SQL Server File Type

```
<connectionStrings>  
  <add name="DefaultConnection"  
    providerName="System.Data.SqlClient"  
    connectionString="Data Source=(LocalDb)\v11.0;Initial Catalog=aspnet-  
</connectionStrings>
```

```
;AttachDBFilename=|DataDirectory|\aspnet-WinesFullWebFormsProject-20130914114359.mdf" /
```


Project Name

Date Time

Initialise the Database

[Register](#) [Log in](#)

[Home](#) [About](#) [Contact](#)



Peacock's French Wine Application.
Top Quality @ Rock Bottom Prices

[Home](#) [Red Wines](#) [White Wines](#) [Sparkling Wines](#)

Register.
Use the form below to create a new account.


Passwords are required to be a minimum of 6 characters in length.

User name

Email address

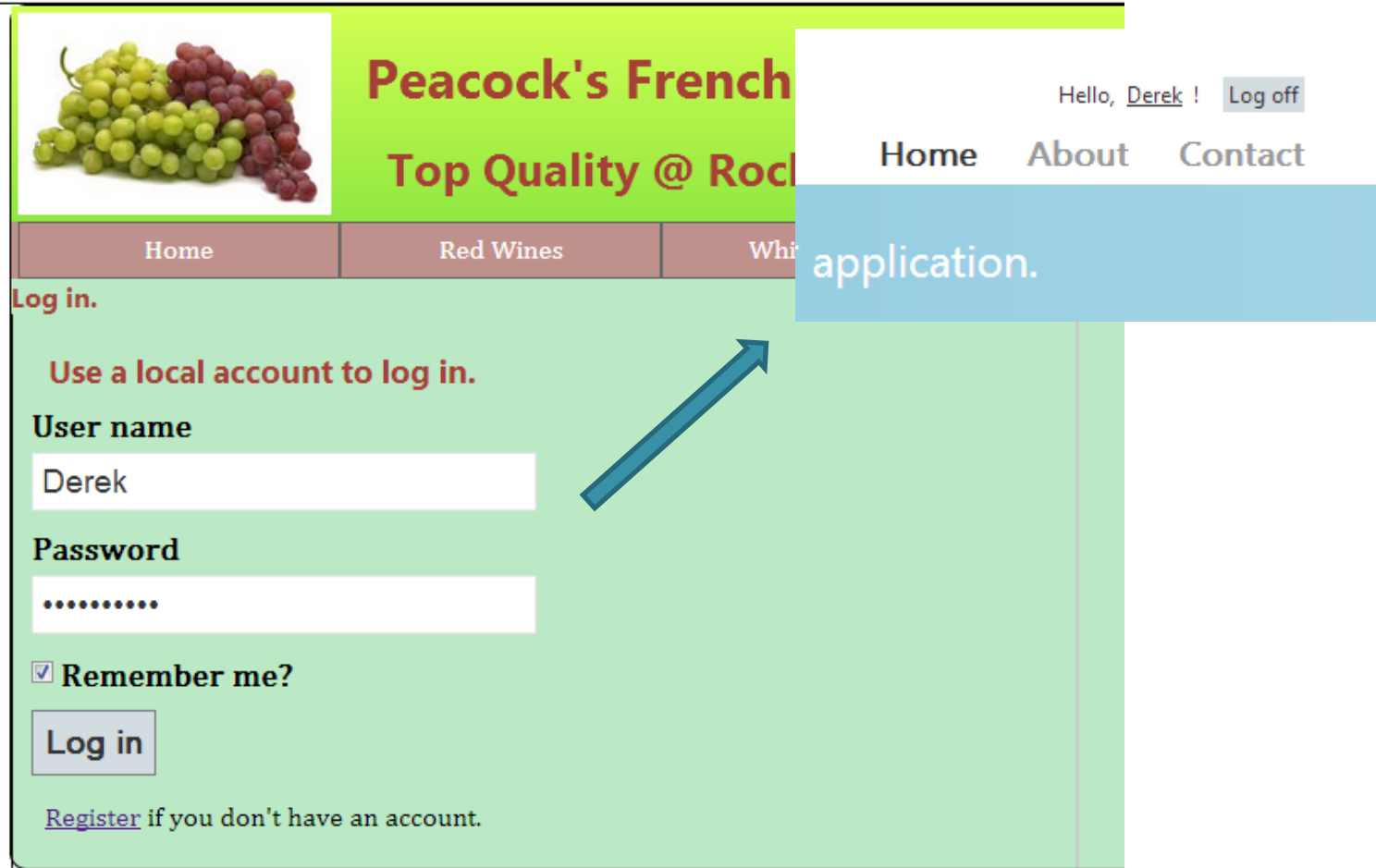
Password

Confirm password



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Login



The screenshot shows a web application interface. At the top left is a header with a green background, featuring an image of green and red grapes and the text "Peacock's French" and "Top Quality @ Roc". To the right of the header, there is a user greeting "Hello, Derek !" and a "Log off" button. Below the header is a navigation menu with "Home", "About", and "Contact" links. A blue box highlights the text "application." in the top right area. The main content area has a light green background and contains a "Log in." section. It includes the instruction "Use a local account to log in.", a "User name" field with "Derek" entered, a "Password" field with "....." entered, a checked "Remember me?" checkbox, and a "Log in" button. A blue arrow points from the "Log in" button towards the highlighted "application." text. At the bottom of the login section, there is a link: "[Register](#) if you don't have an account."

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Data Validation



Peacock's French Wines
Top Quality @ Rock Bottom

Home Red Wines White Wines

Log in.

Use a local account to log in.

Your login attempt was not successful. Please try again.

User name

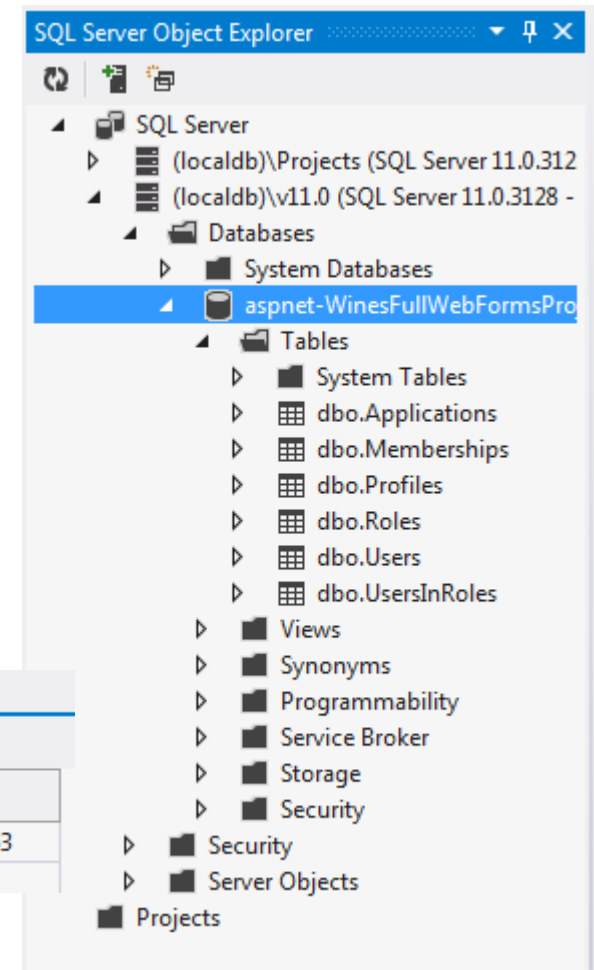
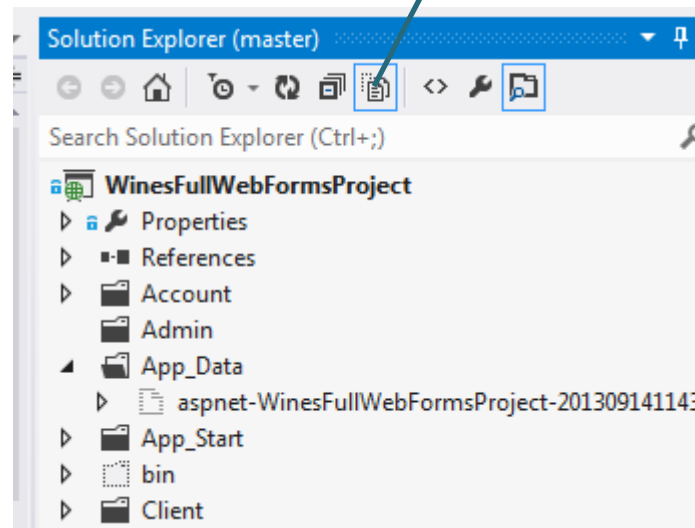
Password

Remember me?

[Register](#) if you don't have an account.

Accessing the Database File

Show all files



dbo.Users [Data] | Web.config | Pending Changes (master)

Max Rows: 1000

	ApplicationId	UserId	UserName	IsAnonymous	LastActivityDate
	5a7a2b73-2322-...	d544c281-49a6...	Derek	False	19/09/2013 10:14:53
▶*	NULL	NULL	NULL	NULL	NULL

Membership Settings

```
<membership defaultProvider="DefaultMembershipProvider">
  <providers>
    <add name="DefaultMembershipProvider"
      type="System.Web.Providers.DefaultMembershipProvider,
      connectionStringName="DefaultConnection"
      enablePasswordRetrieval="false"
      enablePasswordReset="true"
      requiresQuestionAndAnswer="false"
      requiresUniqueEmail="false"
      maxInvalidPasswordAttempts="5"
      minRequiredPasswordLength="6"
      minRequiredNonalphanumericCharacters="0"
      passwordAttemptWindow="10" applicationName="/" />
  </providers>
</membership>
```

Setting Up Roles



Welcome to the Web Site Administration Tool

Application: /

Current User Name: DEREK-PC8\DEREK

Security	Enables you to set up and edit users, roles, and access permissions for your site. Existing users: 1
Application Configuration	Enables you to manage your application's configuration settings.
Provider Configuration	Enables you to specify where and how to store administration data used by your Web site.

Enable Roles

Roles

Roles are not enabled

[Enable roles](#)

Create or Manage roles

Roles

Existing roles: **0**

[Disable Roles](#)

[Create or Manage roles](#)

You can optionally add roles, or groups, that enable you to allow or deny groups of users access to specific folders in your Web site. For example, you might create roles such as "managers," "sales," or "members," each with different access to specific folders.

Create New Role

New role name:

Roles Added

You can optionally add roles, or groups, that enable you to allow or deny groups of users access to specific folders in your Web site. For example, you might create roles such as "managers," "sales," or "members," each with different access to specific folders.

Create New Role

New role name:

Role Name	Add/Remove Users	
Admin	Manage	Delete
Client	Manage	Delete

Roles Assigned

Use this page to manage the members in the specified role. To add a user to the role, search for the user name and

Role: **Admin**

Search for Users

Search By: for:

Wildcard characters * and ? are permitted.

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) [All](#)

User name	User Is In Role
Derek	<input checked="" type="checkbox"/>

```
<roleManager enabled="true" defaultProvider="DefaultRoleProvider">
  <providers>
    <add connectionStringName="DefaultConnection" applicationName="/"
      name="DefaultRoleProvider" type="System.Web.Providers.DefaultRolePr
    </providers>
</roleManager>
```

Database Content

dbo.Roles [Data] Pending Changes (master) Default.aspx Wel

Max Rows: 1000

	ApplicationId	RoleId	RoleName	Description
	5a7a2b73-2322-...	a31d2979-890d...	Client	NULL
	5a7a2b73-2322-...	039c8655-83e8-...	Admin	NULL
▶*	NULL	NULL	NULL	NULL

dbo.UsersInRoles [Data] dbo.Roles [Data]

Max Rows: 1000

	UserId	RoleId
	d544c281-49a6-...	039c8655-83e8-...
▶*	NULL	NULL