# **Role Management & Validation Demo**

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CSE686 – Internet Programming

Spring 2012

Reference: Role Demo and Validation demo – Prateek Maloo, TA CSE 686, spring 2011

New Project					? 💌
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<u>N</u> ame:	Roles_Validation				
Location:	C:\demo\			•	Browse
Solution na <u>m</u> e:	Roles_Validation				<ul> <li>Create directory for solution</li> <li>Add to source control</li> </ul>
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### STEP 1: Create a new ASP.Net MVC2 Web Application

		Home Ab
Create a New Accourt	t	
Use the form below to create	a new account.	
Dasswords are required to be	a minimum of 6 characters in length	
Fasswords are required to b	a minimum or o characters ill leftyUl.	
Account Information		
User name		
developerUser		
Email address		
developer@email.com		
Password		
Confirm password		
Register		

STEP 2: Run the application and click on [Log On] button, then click Register

Create the following userid's

- 1. developerUser
- 2. managerUser
- 3. customerUser

🗙 Roles_Validation - Microsoft Visu	al Studio	
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Server Explorer 🔹 🕂 🗙	HomeController.cs ×	▼ Solution Explorer ▼ ₽ ×
2 🛛 💐 🚆 🐝	Roles_Validation.Controllers.HomeController	🗸 🗟 🖗 🛃 🗸
Data Connections	⊡using System;	🗢 🤜 Solution 'Roles_Validation' (1 project)
Servers	using System.Collections.Generic;	A Roles_Validation
SharePoint Connections	using System.Web:	Properties
	using System.Web.Mvc;	> 🖂 Kererences
		App_Data
	<pre>Enamespace Roles_Validation.Controllers</pre>	E Controllers
	[ [Hand]eError]	b 🔁 Models
	public class HomeController : Controller	Scripts
	{	> 🔁 Views
	public ActionResult Index()	🚽 🕞 📓 Global.asax
		▶ 🚯 Web.config
	<pre>ViewData["Message"] = "Welcome to ASP.NET MVC!";</pre>	
	return View();	
	}	
	public ActionResult About()	
	i return View():	
	}	
		Y
Server Explorer 🔆 Toolbox	100 %	🔪 💦 Soluti 🥸 Class 👼 Prope 🙀 Team
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Roles_Validation -> C:\d	lemo\Roles_Validation\Roles_Validation\bin\Roles_Validation.dll	
Copying file from "obj\u	ebug(koles_validation.pdb to "bin(koles_validation.pdb".	
Build succeeded.		=
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Ready		

## STEP 3: Start the ASP.Net configuration manager

#### **STEP 4: Click on Security**

() Home Page	e	X SP.Net V	Web Application A		
$\leftrightarrow \Rightarrow ~\textbf{C}$	S localhost:5	3896/asp.netw	vebadminfiles,	default.aspx?applicationPhysicalPath=C\demo\Roles_Validation\Roles_Validation&applicationUrl=/	<b>☆</b> く
ASP.n	et Web Site	Administra	tion Tool		How do I use this tool? 🕐
Home	Security	Application	Provider		

#### Welcome to the Web Site Administration Tool

 Application:/

 Current User Name://RK-WORK-PC\\VRK-WORK

 Security
 Enables you to set up and edit users, roles, and access permissions for your site.

 Application ConfigurationEnables 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.

#### **STEP 5: Click on Enable Roles**

🚫 Home Page	2	🖉 🔇 ASP.Net V	Veb Application A		3
← ⇒ C	S localhost:5	3896/asp.netw	ebadminfiles,	s/security/security.aspx	٩,
ASP.ne	t Web Site	Administra	tion Tool	How do I use this too?	?
Home	Security	Application	Provider		

You can use the Web Site Administration Tool to manage all the security settings for your application. You can set up users and passwords (authentication), create roles (groups of users), and create permissions (rules for controlling access to parts of your application).

By default, user information is stored in a Microsoft SQL Server Express database in the Data folder of your Web site. If you want to store user information in a different database, use the Provider tab to select a different provider.

Use the security Setup Wizard to configure security step by step.

Click the links in the table to manage the settings for your application.

Users		
Existing users: 3	Roles	Access Rules
<u>Create user</u> Manage users	Palas are not enabled Enable roles Create or manage roles	<u>Create access rules</u> Manage access rules
Select authentication type		

#### **STEP 6: Click on Create or Manage roles**

Home Page	2	🔨 🔇 ASP.Net V	Veb Application A		
← ⇒ C	S localhost:5	3896/asp.netw	ebadminfiles,	/security/security.aspx 🏠 😽	
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Users		
Existing users: 3	Roles	Access Rules
<u>Create user</u> Manage users	Existing roles: 0	Create access rules Manage access rules
Select authentication type	Create or Manage roles	

### STEP 7: Add 3 roles – developer, manager and customer

Image         Image <td< th=""><th></th></td<>	
← → C ③ localhost:53896/asp.netwebadminfiles/security/roles/manageAllRoles.aspx	\$ <b>\$</b>
ASP.net Web Site Administration Tool	How do I use this tool? 🕐
Home Security Application Provider	

Delete

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: customer	Add Role		
Role Name	Add/Remove Users		
developer	Manage	Delete	

Manage

manager

Back

### STEP 8: Click on manage for a specific role

O Home Page X ASP.Net Web Application A X	
← → C (③ localhost:53896/asp.netwebadminfiles/security/roles/manageAllRoles.aspx	な く
ASP Met Site Administration Tool	How do I use this tool?
Home Security Application Provider	

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 Rol	
New role name:	Add Role

Role Name	Add/Remove Users	
customer	Manage	<u>Delete</u>
developer	Manage	<u>Delete</u>
manager	Mana Manage [developer]	<u>Delete</u>

Back

javascript:\_\_doPostBack('ctl00\$ctl00\$cctl00\$content\$content\$content\$dataGrid\$ctl03\$linkButton1','')

### STEP 9: Search for all users and assign the role to single user or multiple users

Home Security Application Provider

Use this page to manage the members in the specified role. To add a user to the role, search for the user name and then select User Is In Role for that user.

cole: developer						
Search for Users Search By: User name for for Find User Wildcard characters * and ? are permitted.						
					A B C D E E G H I J K L M N	<u>O</u> <u>P</u> <u>Q</u> <u>R</u> <u>S</u> <u>T</u> <u>U</u> <u>V</u> <u>W</u> <u>X</u> <u>Y</u> <u>Z</u> <u>All</u>
User name	User Is In Role					
customerUser						
developerUser						
managerUser						

### STEP 9: Alternatively, go to Security tab and click manage users

Brome Page X ASP.Net Web Application A X		
← → C ③ localhost:53896/asp.netwebadminfiles/security/security.aspx		
ASP. Web Site Administration Tool		
Home Security Application Provider		

You can use the Web Site Administration Tool to manage all the security settings for your application. You can set up users and passwords (authentication), create roles (groups of users), and create permissions (rules for controlling access to parts of your application).

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	Users		
	Existing users: 3	Roles	Access Rules
C	<u>Create user</u> <u>Manage users</u>	Existing roles: <b>3</b> <u>Disable Roles</u> Create or Manage roles	<u>Create access rules</u> Manage access rules
	Select authentication type		

### STEP 10: Assign roles to each of the users

S Home Page ASP.Net Web Application A ×	
← → C (S localhost:53896/asp.netwebadminfiles/security/users/manageUsers.aspx	な く
ASP.net Web Site Administration Tool	How do I use this tool?
Home Security Application Provider	

Click a row to select a user and then click Edit user to view or change the user's password or other properties. To assign roles to the selected user, select the appropriate check boxes on the right.

To prevent a user from logging into your application but retain his or her information in your database, set the status to inactive by clearing the check box.

Search for Users						
Search Wildcar	for: Find User Pare permitted.					
<u>A B</u>	<u>C D E E G H</u>	IJKLMNOPQRSTUVVXXYZAN				
Active	User name	Roles				
<b>V</b>	customerUser	Edit user Delete user Edit roles Add " customerUser " to roles:				
	developerUser	Edit user Edit roles V customer				
<b>V</b>	managerUser	Edit user Delete user Edit roles manager				

Create new user

Back