

7.3.0 – Customer Maintenance

Introduction

In previous lessons we setup security for our web site for only the Employees. We would like to have the customers in our original database added as customers in the ASP.NET security tables. The code will be almost identical to that used for the **Security Admin** web form.

CustomerAdmin.aspx

There are files in the **Code Files (7.3.0)** folder on Moodle that are required for this lesson. Download these files to your computer and follow the steps below to create the web form and enable it to work with our web site:

Steps

1. Add a new web form, with master page, to the **Security** folder of the web site. Name this web form as **CustomerAdmin.aspx**.
2. Replace the

```
<asp:Content ID="Content1" ContentPlaceHolderID="MainContent" runat="server">
</asp:Content>
```

with the contents of the **CustomerAdmin.aspx.txt** file.
3. Open the **CustomerAdmin.aspx.cs** file and replace the contents of the **namespace** with the contents of the **CustomerAdmin.aspx_cs.txt** file.
4. Modify the **Admin** menu in the **Site.Master** file to be:

```
<asp:MenuItem Text="Admin">
  <asp:MenuItem Text="Product Maintenance" NavigateUrl="~/Admin/ProductMaintenance.aspx" />
  <asp:MenuItem Text="Employee Admin" NavigateUrl="~/Security/EmployeeAdmin.aspx" />
  <asp:MenuItem Text="Customer Admin" NavigateUrl="~/Security/CustomerAdmin.aspx" />
</asp:MenuItem>
```

New menu item

5. Next we need to add the **CustomerController.cs** class file to the **BLL** folder. We can do this by adding an existing file (the file is in the **Code Files (7.3.0)** folder).
6. **BUILD** your solution, correct any errors before running the web application.

Testing

Run your web application using **Ctrl+F5** as if there are any validation error messages, the **MessageUserControl** will be able to display them on the web form. First press the **Log in** link button and login as **Webmaster** with the password **Pa\$\$w0rd1**. Next, select the **Customer Admin** option from the **Admin** menu:



Figure 1: Navigation Menu Showing Customer Admin

The web form should look like that shown below (with a list of customers expanded):

Website Security - Customer Admin

Customers

UserName (Id)	Customer	Email / Phone Number
Insert Clear	Select Customer	
First Last	Select Customer Algere, Jennifer Alvarado, Cheryl Anthony, Hayley Arndt, Lorraine Ayres, Lahoma Bailey, Regina Bain, Paige Bennet, Brenda Blakeman, James Bliven, Lila Comeau, Jessica Cone, Kylie Dalke, Wallingford Donelow, Del Dregots, Willis Economos, Emmy Ely, Ally Emiling, Ethan Frasier, Anthony	

Roles

- Administrators
- Customers
- Employees
- Managers
- Purchasers
- RegisteredUsers

Assign Customer Role

Select Customer ...

Select Role

Add Role to User

Delete Role from User

© 2019 - eStore

Figure 2: Customer Admin

Select the first customer, **Algere, Jennifer**, and add a user name as shown below, and press **Insert**:

Customers

UserName (Id)	Customer	Email / Phone Number
Insert Clear	Algere, Jennifer	jennifera@outlook.com 5572381219

Figure 3: Adding a Customer

Customers

UserName (Id)	Customer	Email / Phone Number
Insert Clear	Select Customer	
Delete Edit	jalgere (534f9a07-4b9c-43f0-bba8-306e50e0a75c)	Algere, Jennifer jennifera@outlook.com 5572381219
First 1 Last		

Figure 4: Customer Added

Navigate out of this page, then back so that a Role can be assigned. This user needs the role of **Customers**. When finished, you should see something like:

Success
User Role created

Customers

UserName (Id)	Customer	Email / Phone Number
<input type="button" value="Insert"/> <input type="button" value="Clear"/> <input type="text"/>	<input type="button" value="Select Customer"/>	<input type="text"/>
<input type="button" value="Delete"/> <input type="button" value="Edit"/>	jalgere <small>(534f9a07-4b9c-43f0-bba8-306e58e0a75c)</small>	Algere, Jennifer jennifera@outlook.com 5572381219

Figure 5: Customer Added to a Role

The next test is to see if we can update the customer's email or phone number (remember that we cannot update the user name), if successful both the **AspNetUsers** and **Customer** tables will be updated:

jalgere
(534f9a07-4b9c-43f0-bba8-306e58e0a75c)

Algere, Jennifer

jennifera@outlook.com 5572381219

Figure 6: Customer Updated

The last test is to make sure that this user can login (remember that the default password for a new user is **Pa\$\$word1**). Log off the Webmaster, and login as **jalgere**:

eStore Home Sales Orders Admin About Contact Hello, jalgere! Log off

Figure 7: Successful Customer Login

You should try to navigate to web forms that this user does not have access to and should not be successful. You should be able to go to the **Shopping** page:

eStore Home Sales Orders Admin About Contact Hello, jalgere! Log off

Products For Sale

This web form will load a DropDownList of Categories which the Customer can select from. Once a Category is selected, a list of Products for the Category will be displayed.

Category:

No data was returned.

© 2019 - eStore

Figure 8: Customer Navigated to Shopping Page

Exercise

TBD