

# Using a Custom Tag Helper to display data

localhost:7002/Role

CodeGenerate Home Secured Customer Admin Login Roles

## All Roles

Create a Role

ID	Name	Users	Update	Delete
0afaf335-d7a9-433c-a073-54fac1f157b8	Admin	No Users	<a href="#">Update</a>	<a href="#">Delete</a>
2f3da9e1-a23d-44cb-b7ae-88a2fac4a8ee	Customer	Test01	<a href="#">Update</a>	<a href="#">Delete</a>
a0d47cad-077b-4a69-a2ed-f3f6cc477ba1	Manager	No Users	<a href="#">Update</a>	<a href="#">Delete</a>

```
Index.cshtml*
CodeGenerate
1  @model IEnumerable<IdentityRole>
2  @{
3      ViewData["Title"] = "ROLES";
4  }
5
6  <h1 class="bg-info text-white">All Roles</h1>
7  <a asp-action="Create" class="btn btn-secondary">Create a Role</a>
8
9  <table class="table table-sm table-bordered table-bordered">
10     <tr><th>ID</th><th>Name</th><th>Users</th><th>Update</th><th>Delete</th></tr>
11     @foreach (var role in Model)
12     {
13         <tr>
14             <td>@role.Id</td>
15             <td>@role.Name</td>
16
17             <td i-role="@role.Id"></td>
18
19             <td><a class="btn btn-sm btn-primary" asp-action="Update" asp-route-id="@role.Id">Update</a></td>
20             <td>
21                 <form asp-action="Delete" asp-route-id="@role.Id" method="post">
22                     <button type="submit" class="btn btn-sm btn-danger">
23                         Delete
24                     </button>
25                 </form>
26             </td>
27         </tr>
28     }
29 </table>
```

```
RoleUsersTH.cs
CodeGenerate CodeGenerate.CustomTagHelpers.RoleUsersTH userManager

11 namespace CodeGenerate.CustomTagHelpers
12 {
13     [HtmlTargetElement("td", Attributes = "i-role")]
14     public class RoleUsersTH : TagHelper
15     {
16         private UserManager<User> userManager;
17         private RoleManager<IdentityRole> roleManager;
18
19         public RoleUsersTH(UserManager<User> usermgr, RoleManager<IdentityRole> rolemgr)
20         {
21             userManager = usermgr;
22             roleManager = rolemgr;
23         }
24
25         [HtmlAttributeName("i-role")]
26         public string Role { get; set; }
27
28         public override async Task ProcessAsync(TagHelperContext context, TagHelperOutput output)
29         {
30             List<string> names = new List<string>();
31             IdentityRole role = await roleManager.FindByIdAsync(Role);
32             if (role != null)
33             {
34                 foreach (var user in userManager.Users)
35                 {
36                     if (user != null && await userManager.IsInRoleAsync(user, role.Name))
37                         names.Add(user.UserName);
38                 }
39             }
40             output.Content.SetContent(names.Count == 0 ? "No Users" : string.Join(", ", names));
41
42             //output.Content.SetContent("hung");
43         }
44     }
45 }
```