

# Build an EF and ASP.NET Core 2 App HOL

Welcome to the Build an Entity Framework Core and ASP.NET Core 2 Application in a Day Hands-On Lab. This lab walks you through creating a custom Tag Helper.

Prior to starting this lab, you must have completed Lab 8.

All labs and files are available at [https://github.com/skimedic/dotnetcore\\_hol](https://github.com/skimedic/dotnetcore_hol).

## Part 1: Create the Email Tag Helper

- 1) Create a new folder in the root of the MVC project named TagHelpers
- 2) Create a new class named EmailTagHelper.cs in this folder.
- 3) Add the following using statements to the top of the file:

```
using Microsoft.AspNetCore.Razor.TagHelpers;
```

- 4) Update the class to the following code:

```
public class EmailTagHelper : TagHelper
{
    // Can be passed via <email mail-to="..." />.
    // Pascal case gets translated into lower-kebab-case.
    public string EmailName { get; set; }
    public string EmailDomain { get; set; }

    public override void Process(
        TagHelperContext context, TagHelperOutput output)
    {
        output.TagName = "a"; // Replaces <email> with <a> tag
        var address = EmailName + "@" + EmailDomain;
        output.Attributes.SetAttribute("href", "mailto:" + address);
        output.Content.SetContent(address);
    }
}
```

## Part 2: Use the Email Tag Helper

- 1) Open the Details.cshtml View in the View\Orders folder.
- 2) Add the following markup to the billing address:

```
<email email-domain="domain.com" email-name="John.Doe"></email>
```

- 3) The complete block will look like this:

```
<label>Billing Address:</label>
<address>
    <strong>John Doe</strong><br>
    123 State Street<br>
    Whatever, UT 55555<br>
```

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<abbr title="Phone">P:</abbr> (123) 456-7890  
<email email-domain="domain.com" email-name="John.Doe"></email>  
</address>

## Summary

The lab created a custom Tag Helper and completed this Hands On Lab.