

ASP.NET Core 1.0 (MVC6) TagHelpers & ViewComponents

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DEMO

ochutnávka TagHelpers, ViewComponents

Index.cshtml - img, cache, @Component

Agenda

Použití TagHelpers

Vestavěné TagHelpers

Tvorba vlastních TagHelpers

ViewComponents

TagHelpers

@HtmlHelpers on steroids

HTML-friendly syntaxe

dobrá podpora IntelliSense

DEMO

TagHelpers jako nástupce HtmlHelpers

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TagHelpers - formulářové

```
<form asp-action="" asp-controller="" asp-route...  
    asp-antiforgery="true">...</form>
```

```
<input asp-for="<model expr>" asp-format="<format string>"/>  
<select asp-for="CountryCode" asp-items="ViewBag.Countries">  
<textarea asp-for="<model exp>">
```

```
<label asp-for="<model expression>"/>
```

```
<span asp-validation-for="Email"></span>
```

```
<div asp-validation-summary="ValidationSummary.All"></div>
```


TagHelpers „rozšiřující“

```
<a asp-controller="ApplicationUser"  
    asp-action="Display"  
    asp-route-id="@ViewBag.UserId" />  
<a asp-route="Login" />  
<a asp-route="NamedRoute"  
    asp-protocol="https"  
    asp-host="anotherdomain.org" asp-fragment="hash-part">  
  
<img asp-append-version="true"/>
```

<link> + <script>

```
<link rel="stylesheet"  
  asp-append-version="true"  
  asp-href-include="~/lib/**/*.*css"  
  asp-href-exclude="~/lib/debug/**/*.*css"/>
```

```
<script asp-append-version="true"  
  asp-src-include="~/lib/**/*.*js"  
  asp-src-exclude="~/lib/debug/**/*.*js">  
</script>
```


<link/script> fallback

```
<link rel="stylesheet"  
  href="//ajax.aspnetcdn.com/.../bootstrap.min.css"  
  asp-fallback-href="~/lib/bootstrap/css/bootstrap.min.css"  
  asp-fallback-test-class="hidden"  
  asp-fallback-test-property="visibility"  
  asp-fallback-test-value="hidden" />
```

```
<script src="//ajax.aspnetcdn.com/.../bootstrap.min.js"  
  asp-fallback-src="~/lib/bootstrap/js/bootstrap.min.js"  
  asp-fallback-test="window.jQuery">  
</script>
```

TagHelpers „virtuální“

```
<cache priority="CacheItemPriority.Low"  
  expires-[after|on|sliding]=""  
  vary-by-[cookie|header|query|route|user]="">  
  cached content  
</cache>
```

```
<environment names="Development,Staging,Production">  
  conditional content  
</environment>
```

TagHelpers Authoring

DEMO

VisibleTagHelper

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TagHelper

nová třída

- implementuje ITagHelper interface
- nebo dědí z TagHelper třídy - přidává jen non-async Process()

kdekoliv

- typicky ve složce TagHelpers

oživení

- @addTagHelper "Name, AssemblyName"

TagHelpers Authoring

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TagHelpers walkthrough

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Zákoutí TagHelperů

Views/_ViewImports.cshtml

```
@addTagHelper "Name, AssemblyName"  
@addTagHelper "Nam*, AssemblyName"  
@addTagHelper "*", AssemblyName"  
@removeTagHelper "Name, AssemblyName"  
@tagHelperPrefix="th:"
```

```
<!span ...>exclusion from TagHelpers</!span>
```


ViewComponents

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LastVisitsViewComponent

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ViewComponent

partial-view on steroids

analogie Controller + View

separation of concerns, testability

podporuje asynchronní režim

podporuje Dependency Injection

nahrazuje zrušené child-Actions - `@Html.Action()`

Convention-based Resolution

třída (public, non-abstract, non-generic)

- `XyViewComponent` suffix
- nebo `[ViewComponent]` atribut
- nebo dědí z `ViewComponent` třídy

„interface“

- `IViewComponentResult Invoke(...)`
- `Task<IViewComponentResult> InvokeAsync(...)`

Views

- `Views/Shared/Components/{ComponentName}/Default.cshtml`
- `Views/{ControllerName}/Components/{ComponentName}/...`

Použití ViewComponent

```
<div class="col-md-4">
```

```
  @Component.Invoke("ComponentName", ...)
```

```
</div>
```

```
<div class="col-md-4">
```

```
  @await Component.InvokeAsync("ComponentName", ...)
```

```
</div>
```

DEMO

ViewComponents

authoring (LastRegisteredUser)

/ UsersCount/ LastVisitsViewComponent mods

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