

Section Cheat Sheet (PPT)

Tag Helpers

Tag helpers are the classes that can be invoked as an html tag or html attribute.

They generate a html tag or adds values into attributes of existing html tags.

```
1 | <input asp-for="ModelProperty">
2 | <input type="text" name="ModelProperty" id="ModelProperty"
   | value="ModelValue" />
```

Tag Helpers for <a>, <form>

- asp-controller
- asp-action
- asp-route-x
- asp-route
- asp-area

Tag Helpers for <input>, <textarea>, <label>

- asp-for

Tag Helpers for <select>

- asp-for
 - asp-items
-

Binding

The form tags such as `<input>`, `<label>`, `<textarea>`, `<select>` can be bound with specific model properties.

It applies model property name to "name" and "id" attributes of `<input>` tag.

Url Generation

Route URLs' will be re-generated for `<a>` and `<form>` tags;

It generates the url as "controller/action" pattern.

Tag Helpers for ``

- `asp-append-version`

Tag Helpers for ``

- `asp-validation-for`

Tag Helpers for `<script>`

- `asp-fallback-src`
- `asp-fallback-test`

Tag Helpers for `<div>`

- `asp-validation-summary`

Tag Helpers for `<form>`

```
1 | <form asp-controller="ControllerName" asp-action="ActionName">
2 | </form>
```

will be converted as:

```
1 | <form action="/~/ControllerName/ActionName">
2 | </form>
```

asp-controller and asp-action

Generates route url for the specified action method with "controller/action" route pattern.

Tag Helpers for <a>

```
<a asp-controller="ControllerName" asp-
action="ActionName"> </a>
```

will be converted as:

```
<a href="/~/ControllerName/ActionName"> </a>
```

asp-controller and asp-action

Generates route url for the specified action method with "controller/action" route pattern.

Tag Helpers for <a> and <form>

```
<a asp-controller="ControllerName" asp-action="ActionName"
asp-route-parameter="value" > </a>
```

will be converted as:

```
<a href="/~/ControllerName/ActionName/value-of-parameter">
</a>
```

asp-route-x

Specifies value for a route parameter, which can be a part of the route url.

Tag Helpers for <input>, <textarea>, <select>

```
<input asp-for="ModelProperty" />
```

will be converted as:

```
<input type="text" name="ModelProperty" id="ModelProperty"
value="ModelValue" data-val-rule="ErrorMessage" />
```

asp-for

Generates "type", "name", "id", "data-validation" attributes for the <input>, <textarea>, <select> tags.

Tag Helpers for <label>

```
<label asp-for="ModelProperty"> </label>
```

will be converted as:

```
<label for="ModelProperty"> </label>
```

asp-for

Generates "for" attribute for the <label>.

Client Side Validations

Data annotations on model properties

```
1 | [Required]
2 | publicDataTypePropertyName { get; set; }
```

"data-*" attributes in html tags [auto-generated with "asp-for" helper]

```
<input data-val="true" data-required="ErrorMessage" />
```

Import jQuery Validation Scripts

```
1 | https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.0/jquery.min.js
2 | https://cdnjs.cloudflare.com/ajax/libs/jquery-validate/1.19.3/jquery.validate.min.js
3 | https://cdnjs.cloudflare.com/ajax/libs/jquery-validation-unobtrusive/3.2.12/jquery.validate.unobtrusive.min.js
```

Tag Helpers for

```
1 | 
2 | 
```

asp-append-version

- Generates SHA512 hash of the image file as query string parameter appended to the file path.
- It REGENERATES a new hash every time when the file is changed on the server. If the same file is requested multiple times, file hash will NOT be regenerated.

Tag Helpers for <script>

```
1 | <script src="CDNUrl" asp-fallback-src="~/LocalUrl" asp-fallback-test="object"> </script>
2 | <script src="CDNUrl"> </script>
3 | <script> object || document.write("<script src='/LocalUrl'></script>");
   </script>
```

asp-fallback-src

- It makes a request to the specified CDNUrl at the "src" attribute.
- It checks the value of the specified object at the "asp-fallback-test" tag helper.
- If its value is null or undefined (means, the script file at CDNUrl is not loaded), then it makes another request to the LocalUrl through another script tag.