Generating Dynamic Markup with Tag Helpers



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Understanding Tag Helpers



Tag Helpers:

Provide a semantically friendly way to enhance or transform HTML markup.



Advantages of Tag Helpers

Generate intelligent links

Manage URL data

Simplify caching

Manage static assets

Influence layouts

Build smarter forms



Applying Tag Helpers

Attribute Tag Helpers

Transform or enhance existing HTML elements

Element Tag Helpers

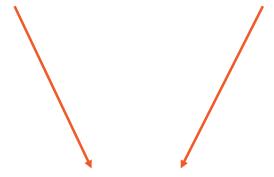
Provide entirely new markup elements with unique abilities



Tag Helpers as Attributes

Tag Helper attributes

Auto



Rendered HTML

Auto



Tag Helpers as Elements

Tag Helper element

Rendered HTML (when running locally)

<script src="scripts/dev-debug.js"></script>



Categorizing Tag Helpers

Utility Tag Helpers

General purpose helpers that can be used across an app

Form Tag Helpers

Used exclusively when building HTML Forms



Categorizing Tag Helpers

Utility Tag Helpers

Anchor Tag Helper

Image Tag Helper

Caching Tag Helper

Environment Tag Helper

Form Tag Helpers

Form Tag Helper

Input Tag Helper

Validation Tag Helper

Label Tag Helper





Demo: Improving Navigation with Tag Helpers





Demo: Completing the Details Page





Demo: Improving Images





Demo: Managing Resources





Demo: Caching with Helpers



Summary



Tag Helpers provide a semantically friendly way to transform HTML

Tag Helpers can enhance standard HTML elements with new abilities

They can be implemented as both attributes and stand alone elements

.NET converts Tag Helpers into standard markup when a Razor Page is processed

Tag Helpers are an evolution over the more legacy HTML helpers

