# ASP.NET Tutorial

ASP.NET HOME (default.asp)

ASP.NET Intro (aspnet.asp)

# WP Tutorial

WebPages Intro (webpages_intro.asp)

WebPages Razor (webpages_razor.asp)

WebPages Layout (webpages_layout.asp)

WebPages Folders (webpages_folders.asp)

WebPages Global (webpages_global.asp)

WebPages Forms (webpages_forms.asp)

WebPages Objects (webpages_objects.asp)

WebPages Files (webpages_files.asp)

WebPages Databases (webpages_database.asp)

WebPages Helpers (webpages_helpers.asp)

WebPages WebGrid (webpages_webgrid.asp)

WebPages Charts (webpages_chart.asp)

WebPages Email (webpages_email.asp)

WebPages PHP (webpages_php.asp)

WebPages Publish (webpages_publish.asp)

WebPages Examples (webpages_examples.asp)

# WP References

WebPages Classes (webpages_ref_classes.asp)

WebPages Security (webpages_ref_websecurity.asp)

WebPages Database (webpages_ref_database.asp)

WebPages WebMail (webpages_ref_webmail.asp)

WebPages Helpers (webpages_ref_helpers.asp)

# ASP.NET Razor

Razor Intro (razor_intro.asp)

Razor Syntax (razor_syntax.asp)

Razor C# Variables (razor_cs_variables.asp)

Razor C# Loops (razor_cs_loops.asp)

Razor C# Logic (razor_cs_logic.asp)

Razor VB Variables (razor_vb_variables.asp)

Razor VB Loops (razor_vb_loops.asp)

Razor VB Logic (razor_vb_logic.asp)


# ASP.NET MVC

MVC Intro (mvc_intro.asp)

MVC Application (mvc_app.asp)

MVC Folders (mvc_folders.asp)

MVC Layout (mvc_layout.asp)

MVC Controllers (mvc_controllers.asp)

MVC Views (mvc_views.asp)

MVC Database (mvc_database.asp)

MVC Models (mvc_models.asp)

MVC Security (mvc_security.asp)

**MVC HTML Helpers (mvc_htmlhelpers.asp)**

MVC Publish (mvc_publish.asp)

MVC Reference (mvc_reference.asp)


# WF Tutorials

WebForms Intro (aspnet_intro.asp)

WebForms Pages (aspnet_pages.asp)

WebForms Controls (aspnet_controls.asp)

WebForms Events (aspnet_events.asp)

WebForms Forms (aspnet_forms.asp)

WebForms ViewState (aspnet_viewstate.asp)

WebForms TextBox (aspnet_textbox.asp)

WebForms Button (aspnet_button.asp)

WebForms Data Binding (aspnet_databinding.asp)

WebForms ArrayList (aspnet_arraylist.asp)

WebForms Hashtable (aspnet_hashtable.asp)

WebForms SortedList (aspnet_sortedlist.asp)

WebForms XML Files (aspnet_xml.asp)

WebForms Repeater (aspnet_repeater.asp)

WebForms DataList (aspnet_datalist.asp)

WebForms DbConnection (aspnet_dbconnection.asp)

WebForms Master Pages (aspnet_masterpages.asp)

WebForms Navigation (aspnet_navigation.asp)

WebForms Examples (aspnet_examples.asp)

# ASP.NET MVC - HTML Helpers

« Previous (mvc_security.          Next Chapter » (mvc_publish.a

HTML Helpers are used to modify HTML output

## HTML Helpers

With MVC, HTML helpers are much like traditional ASP.NET Web Form controls.

Just like web form controls in ASP.NET, HTML helpers are used to modify HTML. But HTML helpers are more lightweight. Unlike Web Form controls, an HTML helper does not have an event model and a view state.

In most cases, an HTML helper is just a method that returns a string.

With MVC, you can create your own helpers, or use the built in HTML helpers.

## Standard HTML Helpers

MVC includes standard helpers for the most common types of HTML elements, like
HTML links and HTML form elements.

# HTML Links

The easiest way to render an HTML link in is to use the HTML.ActionLink() helper.

With MVC, the Html.ActionLink() does not link to a view. It creates a link to a controller
action.

Razor Syntax:

```
@Html.ActionLink("About this Website", "About")
```

ASP Syntax:

```
<%=Html.ActionLink("About this Website", "About")%>
```

The first parameter is the link text, and the second parameter is the name of the
controller action.

The Html.ActionLink() helper above, outputs the following HTML:

```
<a href="/Home/About">About this Website</a>
```

The Html.ActionLink() helper has several properties:

| Property | Description |
|---|---|
| .linkText | The link text (label) |
| .actionName | The target action |
| .routeValues | The values passed to the action |
| .controllerName | The target controller |
| .htmlAttributes | The set of attributes to the link |
| .protocol | The link protocol |
| .hostname | The host name for the link |
| .fragment | The anchor target for the link |

**Note:** You can pass values to a controller action. For example, you can pass the id of a database record to a database edit action:

Razor Syntax C#:

```
@Html.ActionLink("Edit Record", "Edit", new {Id=3})
```

Razor Syntax VB:

```
@Html.ActionLink("Edit Record", "Edit", New With{.Id=3})
```

The Html.ActionLink() helper above, outputs the following HTML:

```
<a href="/Home/Edit/3">Edit Record</a>
```

# HTML Form Elements

There following HTML helpers can be used to render (modify and output) HTML form elements:

- BeginForm()
- EndForm()
- TextArea()
- TextBox()
- CheckBox()
- RadioButton()
- ListBox()
- DropDownList()
- Hidden()
- Password()

ASP.NET Syntax C#:

```
<%= Html.ValidationSummary("Create was unsuccessful. Please correct the errors and
try again.") %>
<% using (Html.BeginForm()){%>
<p>
<label for="FirstName">First Name:</label>
<%= Html.TextBox("FirstName") %>
<%= Html.ValidationMessage("FirstName", "*") %>
</p>
<p>
<label for="LastName">Last Name:</label>
<%= Html.TextBox("LastName") %>
<%= Html.ValidationMessage("LastName", "*") %>
```

```
</p>
<p>
<label for="Password">Password:</label>
<%= Html.Password("Password") %>
<%= Html.ValidationMessage("Password", "*") %>
</p>
<p>
<label for="Password">Confirm Password:</label>
<%= Html.Password("ConfirmPassword") %>
<%= Html.ValidationMessage("ConfirmPassword", "*") %>
</p>
<p>
<label for="Profile">Profile:</label>
<%= Html.TextArea("Profile", new {cols=60, rows=10})%>
</p>
<p>
<%= Html.CheckBox("ReceiveNewsletter") %>
<label for="ReceiveNewsletter" style="display:inline">Receive Newsletter?</label>
</p>
<p>
<input type="submit" value="Register" />
</p>
<%}%>
```
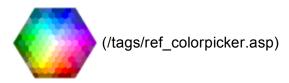
« Previous (mvc_security.          Next Chapter » (mvc_publish.a

## W3SCHOOLS EXAMS

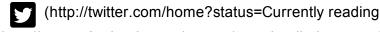HTML, CSS, JavaScript, PHP, jQuery, and XML Certifications (http://www.w3schools.com/cert/default.asp)

## COLOR PICKER

(/tags/ref_colorpicker.asp)

## SHARE THIS PAGE

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http://www.w3schools.com/aspnet/mvc_htmlhelpers.asp)

(https://plus.google.com/share?url=http://www.w3schools.com/aspnet/mvc_htmlhelpers.asp)

REPORT ERROR ()
PRINT PAGE ()
FORUM (/forum/default.asp)
ABOUT (/about/default.asp)

## Top 10 Tutorials

HTML Tutorial (/html/default.asp)
CSS Tutorial (/css/default.asp)
JavaScript Tutorial (/js/default.asp)
SQL Tutorial (/sql/default.asp)
PHP Tutorial (/php/default.asp)
jQuery Tutorial (/jquery/default.asp)
Bootstrap Tutorial (/bootstrap/default.asp)
Angular Tutorial (/angular/default.asp)
ASP.NET Tutorial (/aspnet/default.asp)
XML Tutorial (/xml/default.asp)

## Top 10 References

HTML Reference (/tags/default.asp)
CSS Reference (/cssref/default.asp)
JavaScript Reference (/jsref/default.asp)
Browser Statistics (/browsers/default.asp)
HTML DOM (/jsref/dom_obj_document.asp)
PHP Reference (/php/php_ref_array.asp)
jQuery Reference (/jquery/jquery_ref_selectors.asp)
HTML Colors (/tags/ref_colornames.asp)
HTML Character Sets (/charsets/default.asp)
XML DOM (/dom/dom_nodetype.asp)

## Top 10 Examples

HTML Examples (/html/html_examples.asp)
CSS Examples (/css/css_examples.asp)
JavaScript Examples (/js/js_examples.asp)
HTML DOM Examples (/js/js_dom_examples.asp)
PHP Examples (/php/php_examples.asp)
jQuery Examples (/jquery/jquery_examples.asp)
XML Examples (/xml/xml_examples.asp)
XML DOM Examples (/dom/dom_examples.asp)
ASP Examples (/asp/asp_examples.asp)

SVG Examples (/svg/svg_examples.asp)

# Web Certificates

HTML Certificate (/cert/default.asp)
HTML5 Certificate (/cert/default.asp)
CSS Certificate (/cert/default.asp)
JavaScript Certificate (/cert/default.asp)
jQuery Certificate (/cert/default.asp)
PHP Certificate (/cert/default.asp)
Bootstrap Certificate (/cert/default.asp)
XML Certificate (/cert/default.asp)

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