

Steven Holzner

Sams **Teach Yourself**

# HTML5

in **10**  
**Minutes**

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**TABLE 4.3** Built-in Control Data Attributes and Functions

	Hidden	Text, Search, URL, Telephone	E-mail	Password	Date and Time, Date, Month, Week, Time,	Local Date and Time, Number	Range	Color	Checkbox, Radio Button	File Upload	Submit Button	Image Button	Reset Button, Button
checked	.	.	.	.	.	.	.	.	X	.	.	.	.
files	.	.	.	.	.	.	.	.	.	X	.	.	.
value	default	value	value	value	value	value	value	value	default/on	filename	default	default	default
valueAsDate	.	.	.	.	X	.	.	.	.	.	.	.	.
valueAsNumber	.	.	.	.	X	X	X	.	.	.	.	.	.
list	.	X	X	.	X	X	X	X	.	.	.	.	.
selectedOption	.	X	X	.	X	X	X	X	.	.	.	.	.
select()	.	X	X	X	.	.	.	.	.	.	.	.	.
selectionStart	.	X	X	X	.	.	.	.	.	.	.	.	.
selectionEnd	.	X	X	X	.	.	.	.	.	.	.	.	.
setSelection Range()	.	X	X	X	.	.	.	.	.	.	.	.	.
stepDown()	.	.	.	.	X	X	X	.	.	.	.	.	.
stepUp()	.	.	.	.	X	X	X	.	.	.	.	.	.

**TABLE 4.4** Control Events

	Hidden	Text, Search, URL, Telephone	E-mail	Password	Date and Time, Date, Month, Week, Time	Local Date and Time, Number	Range	Color	Checkbox, Radio Button	File Upload	Submit Button	Image Button	Reset Button, Button
input	·	X	X	X	X	X	X	X	·	·	·	·	·
change	·	X	X	X	X	X	X	X	X	X	·	·	·

Whereas some controls return simple text strings, others return formatted data. You can see the data types returned by each control in Table 4.5.

**TABLE 4.5** Control Data Types

Type	Data Type
button	n/a
checkbox	A set of zero or more values from a predefined list
color	An sRGB color with 8-bit red, green, and blue components
date	A date (year, month, day) with no time zone
datetime	A date and time (year, month, day, hour, minute, second, fraction of a second) with the time zone set to UTC
datetime-local	A date and time (year, month, day, hour, minute, second, fraction of a second) with no time zone
email	An email address or list of email addresses
file	Zero or more files each with a MIME type and optionally a filename
hidden	An arbitrary string
image	A coordinate, relative to a particular image's size, with the extra semantic that it must be the last value selected and initiates form submission
month	A date consisting of a year and a month with no time zone
number	A numerical value
password	Text with no line breaks (sensitive information)
radio	An enumerated value
range	A numerical value, with the extra semantic that the exact value is not important
reset	n/a
search	Text with no line breaks
submit	An enumerated value, with the extra semantic that it must be the last value selected and initiates form submission
tel	Text with no line breaks
text	Text with no line breaks
time	A time (hour, minute, seconds, fractional seconds) with no time zone
url	An absolute IRI
week	A date consisting of a week-year number and a week number with no time zone

## Starting the Web Forms Example

In this lesson, we're going to put the new HTML5 controls to work in an example, `webforms.html`, which you can see in Figure 4.1.

To get started with the `webforms.html` example, follow these steps:

1. Create `webforms.html` using a text editor such as Windows WordPad.
2. Enter the following code to create the HTML table that will enclose the web form controls, and add the Submit button.

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      Web Form Example
    </title>
  </head>

  <body>
    <h1>Web Form Example</h1>
    <form method="post" action="webforms.php">
      <table border="1" cellpadding="5">
        .
        .
        .
        <input type="submit" value="Submit">
      </form>
    </body>
  </html>
```

3. Save `webforms.html`. Make sure you save this code in text format (the default format for WordPad, for example, is RTF, rich-text format, which won't work with browsers).

Now that we've started `webforms.html`, let's begin adding some web form controls.

## Creating a Default Control

If you don't specify the type of control you want to create, you'll get a text field, as shown in this task.

Follow these steps:

1. Open `webforms.html` using a text editor such as Windows WordPad.
2. Add the following code to create a default control, without specifying a type attribute. Note the `autofocus` attribute, which means that the blinking cursor will appear in this control when the page loads, and the `placeholder` attribute, which lets you set placeholder text in the control. (This doesn't work in any browser yet.)

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      Web Form Example
    </title>
  </head>

  <body>
    <h1>Web Form Example</h1>
    <form method="post" action="webforms.php">
      <table border="1" cellpadding="5">
        <tr>
          <td>Default</td><td><input name="name"
            placeholder="Enter your nickname" autofocus>
          </td>
        </tr>
        .
        .
        .
        <input type="submit" value="Submit">
      </form>
    </body>
  </html>
```