8.7 jQuery Form Validation



paper towers - answered by Kevin Kenneth Daus

HTML validation

Attribute	Description	Sample code
readonly	Specifies that	<form></form>
	an input field	<pre><label for="fname">First name:</label> </pre>
	is read-only.	<pre><input id="fname" name="fname" readonly="" type="text" value="John"/></pre>
	 A read-only 	
	input field	<pre><label for="lname">Last name:</label> </pre>
	cannot be	<pre><input id="lname" name="lname" type="text" value="Doe"/></pre>
	modified	
	(however, a	
	user can tab	
	to it, highlight	
	it, and copy	
	the text from	
	it).	
	• The value of a	
	read-only	
	input field will	
	be sent when	

	submitting the form.
disabled	 Specifies that an input field should be disabled. A disabled input field is unusable and un-clickable. The value of a disabled input field will not be sent when submitting the form. Specifies that an input field should be disabled should be disabled input field will not be sent when submitting the form.
size	 Specifies the visible width, in characters, of an input field. This attribute works with the following input types: text, search, tel, url, email, and password. Specifies the visible width, in characters, of an input characters, of an input type="fname">First name: <label> <label> <label> <label> <label> <label< li=""> Finame" name="fname" size="50"> <abr></abr><abr></abr>input type="text" id="pin" name="pin" size="4"> </label<></label></label></label></label></label>
maxlength	<pre>• Specifies the maximum number of characters allowed in an input field.</pre> <pre> </pre> <pre> <pre> </pre> <pre> <pre> </pre> <pre> </pre> <pre> <pre> <pre> </pre> <pre> <pre> </pre> <pre> <pre> </pre> <pre> <pre> <pre> <pre> </pre> <pre> <</pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>
min, max	• Specify the minimum and maximum values for an input field. • Specify the minimum and minimum and maximum values for an input field. • Specify the minimum and clabel for="datemax">Enter a date before 1980-01-01: • complete values for an input field.

```
    The attribute

                                 <label for="datemin">Enter a date after 2000-01-01:</label>
              work with the
                                 <input type="date" id="datemin" name="datemin" min="2000-01-02">
              following input <br><br>
              types:
               number,
                                 <label for="quantity">Quantity (between 1 and 5):</label>
               range, date,
                                 <input type="number" id="quantity" name="quantity" min="1" max="5">
               datetime-
                               </form>
              local, (month),
               time and
               week .

    Specifies a

              regular
              expression
              that the input
              field's value is
              checked
              against, when
                               <form>
              the form is
                                 <label for="country_code">Country code:</label>
              submitted.
                                 <input type="text" id="country_code" name="country_code"</pre>
pattern

    This attribute

                                pattern="[A-Za-z]{3}" title="Three letter country code">
              works with the
                               </form>
              following input
              types: (text),
               date,
               search), (url),
               tel, email,
              and password.

    Specifies that

required
                               <form>
              an input field
                                 <label for="username">Username:</label>
              must be filled
                                 <input type="text" id="username" name="username" required>
              out before
                               </form>
              submitting the
              form.
            This
              attribute works
              with the
              following input
              types: [text],
               search), (url),
               tel, (email),
```

```
password),
              date
              pickers,
              number,
              checkbox),
              radio, and
              file.
           · Specifies the
              legal number
              intervals for
              an input field.

    This attribute

             can be used
             together with
             the max and
              min
              attributes to
              create a range
             of legal
                              <form>
             values.
                                <label for="points">Points:</label>
step
           • The step
                                <input type="number" id="points" name="points" step="3">
              attribute works
                              </form>
             with the
             following input
              types:
              number,
              range,
              date,
              datetime-
              local,
              month,
              time and
              week .
```

Handling form submission

- The submit event is sent to an element when the user is attempting to submit a form.
 - It can only be attached to orm> elements.

• Forms can be submitted either by clicking an explicit <input type="submit">, <input type="submit">, or by pressing Enter when certain form elements have focus.

```
$("form").submit(function(){
 alert("Submitted");
});
<!DOCTYPE html>
<html>
  <head>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/jquery.min.js"></script>
    <script>
      $(document).ready(function () {
        $("form").submit(function () {
          alert($("#FirstName").val());
          alert($("#LastName").val());
        });
      });
    </script>
  </head>
  <body>
    <form action="">
      First name: <input type="text" id="FirstName" value="Mickey" /><br />
      Last name: <input type="text" id="LastName" value="Mouse" /><br />
      <input type="submit" value="Submit" />
    </form>
  </body>
</html>
```

Stopping a page from reloading

- By default, pages reload upon submitting a form.
- To prevent this, add a variable x to your submit function as an argument, then add
 x.preventDefault(); at the bottom of the function.

```
$("form").submit(function (x) {

//alert($("#first_name").val());

let first_name = $("#first_name").val();

let last_name = $("#last_name").val();

$("#registrants").html()

$("#registrants").html() +

"""<!>"
```

```
first_name +
    " " +
    last_name +
    "
);

x.preventDefault();
});
```

Method	Description	Sample code	Code explanation
.submit()	Triggers the submit event or submits the form when invoked on a form element.	<pre><form id="registrationForm"></form></pre>	 Creates a simple account registration form with input fields for username, email, and password, and a submit button. When the form is submitted, the JavaScript code prevents the default form submission,
event.preventDefault()	Stops the		retrieves
	default		the values
	action of		entered in
	an event		the input
	from		fields, and
	happening.		logs a
			message to

	the console indicating the user registration details,
	including
	the
	username
	and email.

Boolean form attributes

• There are a few attributes that are accessed and set as boolean values.

```
$(".select").prop("checked", false);
```

- Boolean attributes include the following:
 - checked
 - required
 - disabled
 - o (open)

Additional Material

- Learn more
 - W3Schools
- Recommended watch

