

HTML Form Validation

required Attribute

In HTML, input fields have an attribute called `required` which specifies that the field must include a value.

The example code block shows an input field that is required. The attribute can be written as `required="true"` or simply `required`.

```
<input type="password" name="password" required >
```

max Attribute

HTML `<input>` s of type `number` have an attribute called `max` that specifies the maximum value for the input field.

The code block shows an `input` `number` field that is set to have a maximum value of `20`. Any value larger than `20` will mark the input field as having an error.

```
<input type="number" max="20">
```

maxlength Attribute

In HTML, input fields with type `text` have an attribute called `maxlength` that specifies the maximum number of characters that can be entered into the field. The code block shows an input text field that accepts text that has a maximum length of 140 characters.

```
<input type="text" name="tweet" maxlength="140">
```

pattern Attribute

In a `text` input element, the `pattern` attribute uses a regular expression to match against (or validate) the value of the `<input>`, when the form is submitted.

```
<form action="/action_page.php">
  Country code:
  <input type="text" name="country_code"
        pattern="[A-Za-z]{3}"
        title="Three letter country code">
  <input type="submit">
</form>
```

minlength Attribute

In HTML, an input field of type `text` has an attribute that supports minimum length validation. To check that the input text has a minimum length, add the `minlength` attribute with the character count.

The example code block shows an example of a text field that has a minimum length of 6 .

```
<input type="text" name="username" minlength="6" />
```

HTML Form Validators

HTML forms allow you to specify different kinds of validation for your input fields to make sure that data is entered correctly before being submitted. HTML supports a number of different validators, including things like minimum value, minimum/maximum length, etc. The validators are specified as attributes on the `input` field.

min Attribute

In HTML, input fields with type `number` have an attribute called `min` that specifies the minimum value that can be entered into the field. The code block provided shows an input number field that accepts a number with minimum value 1.

```
<input type="number" name="rating" min="1" max="10">
```



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