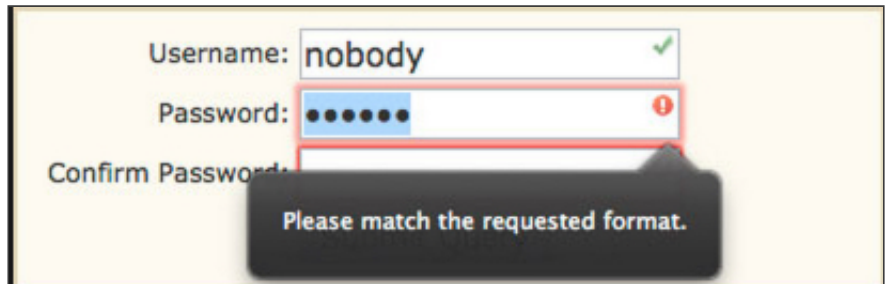


Validation, CSS pseudo class feedback, and custom validation API

In this section of the course, we will look at CSS pseudo classes that are useful for giving instant feedback when the user's input is not valid. We will also look at the new JavaScript API introduced by HTML5 for validating forms and form elements.



In the following pages, we will first illustrate the concept of form validation with the `<input type="email"/>` field. It can be generalized to all kind of input types, such as url, number, etc. Some form attributes, such as `pattern`, will also affect input field validity!

As of June 2015, form validation is supported by the following browsers:

Can I use form validation

? ⚙ Settings

1 result found

Form validation - LS

Global

72.69% + 20% = 92.69%

Method of setting required fields and field types without requiring JavaScript. This includes preventing forms from being submitted when appropriate, the `checkValidity()` method as well as support for the `:invalid`, `:valid`, and `:required` CSS pseudo-classes.

Current aligned Usage relative Show all

IE	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
		31						
		36						
		37					4.1	
8		39					4.3	
9	31	40					4.4	
10	36	41	7		7.1		4.4.4	
11	37	42	8	27	8.3	8	40	42
Edge	38	43		28				
	39	44		29				
	40	45						

Notes Sub-features (2) Known issues (1) Resources (3) Feedback

¹ Partial support refers to lack of notice when form with required fields is attempted to be submitted.

² Partial support in IE10 mobile refers to lack of warning when blocking submission.

³ Partial support in Opera Mini refers to only supporting the CSS pseudo classes.

Support is not 100% on Safari as at June 2015...

POLYFILLS FOR SAFARI AND OLD INTERNET EXPLORER VERSIONS

- [Webshim](#) is a polyfill library that enables you to reliably use HTML5 features across browsers, even if native support is lacking.
- There are other polyfills that do not target all missing features. These will be

introduced in the following sections, as some only target particular parts of the specification.