

HTML5 and CSS3 for Mobile Applications

Validation

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Objectives for today

- Get you into the habit of using the W3C Validator

Can you spot the error?

```
1 <!DOCTYPE html>
2 <html lang="en-GB">
3   <head>
4     <meta charset="utf-8">
5     <title>HTML Forms</title>
6   </head>
7   <body>
8     <header>
9       <h1>My First Form</h1>
10    <header>
11    <form>
12      Title: <input type="text" name="title" id="title" value="">
13      Event Details: <textarea name="details" id="details"></textarea>
14      <input type="submit" value="Submit">
15    </form>
16  </body>
17 </html>
```

validator.W3.org

The W3C Markup Validation Service

validator.w3.org

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W3C Markup Validation Service
Check the markup (HTML, XHTML, ...) of Web documents

Validate by URI Validate by File Upload Validate by Direct Input

Validate by URI


Validate a document online:

Address:

► More Options

Check

This validator checks the [markup validity](#) of Web documents in HTML, XHTML, SMIL, MathML, etc. If you wish to validate specific content such as [RSS/Atom feeds](#) or [CSS stylesheets](#), [MobileOK content](#), or to [find broken links](#), there are [other validators and tools](#) available. As an alternative you can also try our [non-DTD-based validator](#).

 The W3C validators rely on community support for hosting and development. [Donate](#) and help us build better tools for a better web.

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Validation errors

[Invalid] Markup Validation of basic_form.html - W3C Markup Validator

validator.w3.org/check

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Validation Output: 4 Errors

- ✖ Line 10, Column 12: The element header must not appear as a descendant of the header element.
`<header>`
- ✖ Line 29, Column 9: End tag for body seen, but there were unclosed elements.
`</body>`
- ✖ Line 10, Column 12: Unclosed element header.
`<header>`
- ✖ Line 8, Column 12: Unclosed element header.
`<header>`

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Sorted!

```
1 <!DOCTYPE html>
2 <html lang="en-GB">
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6   </head>
7   <body>
8     <header>
9       <h1>My First Form</h1>
10    </header>
11    <form action="action_name" method="post">
12      <fieldset>
13        <legend>Submit a new event</legend>
14        <ul>
```

Remember to revalidate your old sites

[Invalid] Markup Validation of http://molevalley.nh.herokuapp.com/ - W3C Markup Validator

validator.w3.org/check?uri=http%3A%2F%2Fmolevalley.nh.herokuapp.com&charset=%28detect+automatically%29&doctype=Inline&group=0

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- Line 88, Column 50: The acronym element is obsolete. Use the abbr element instead.**
...m title="Special Area of Conservation"><a href="http://www.jncc.gov.uk/protect...
- Line 89, Column 57: The acronym element is obsolete. Use the abbr element instead.**
...="Site of Special Scientific Interest"><a href="http://www.sssi.naturalengland...
- Line 90, Column 61: The acronym element is obsolete. Use the abbr element instead.**
...acronym title="Sites of Nature Conservation Importance">SNCI’s</acronym>,
- Line 91, Column 45: The acronym element is obsolete. Use the abbr element instead.**
...ronym title="National Nature Reserve"><a href="http://www.cityoflondon.gov.uk...
- Line 92, Column 42: The acronym element is obsolete. Use the abbr element instead.**
... <acronym title="Local Nature Reserve"><a href="http://www.molevalley.gov.uk/i...
- Line 94, Column 45: The acronym element is obsolete. Use the abbr element instead.**
...ronym title="Special Protection Area"><a href="http://www.surreywildlifetrust...

What We Have Done

- We have learnt that browsers can hide errors
- But we *do* need to fix them otherwise we can't guarantee behaviour
 - Something nasty in the coal shed ...
- A validation tool will reveal the lurkers