HTML THOR IS AN ONLINE SERVICE THAT VALIDATES HTML5 CODE

HTML is the language used to construct and display websites.

HTML THOR will detect errors in the code, poor coding practices, file structure issues, deprecated code and semantic errors.

The goal is to provide users with the means to ensure their code has no errors, follows semantic rules and to teach them good web development practices.

WHY IT'S AWESOME

Current HTML validators return very technical and jargon-filled error messages, HTML THOR on the other hand has been designed with beginners in mind.
Error messages have been given a lot of thought and effort to make sure they're informative and presented in plain English.
File structure validation is also provided through the site, where users can upload a .zip folder to identify any broken links between files, and to ensure that they've placed files in the ideal and commonly named folders.

By incorporating learning resources and tips into the site we've transformed HTML THOR from a validator to a fully fledged learning tool.

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HTML THOR 5

htmlthor.com

WHY THIS PROJECT?

Web development is becoming an increasingly fast-paced field with improvements being made to HTML frequently. In such an advancing space, the beginner web developer not only needs an application that validates their code, but also acts as a learning tool to support them in their journey through the realms of web development.

Teaching the latest in HTML at colleges and universities has been halted because current specifications are loose ended - designed to be flexible in syntax and backwards compatible. In a learning environment students are not made aware of errors in their code, leading to poor practice and understanding of the web environment - creating the need for an application as awesome as HTML Thor!

Syntax Error

A syntax error can be caused by something as simple as a typo! An example of a syntactic error in your code is forgetting to close a tag with a > symbol or mistyping a letter, <jead> instead of <head>.

```
<DOCTYPE html>
<html>
<body>
        <div>
                <p>Welcome to my site!</p>
                <p>Why would you bother
                reading this?</p>
        </div>
</body>
```

There is a '!' missing from the first line. It should be written as <!DOCTYPE html>. Document is missing closing </html> tag.

Semantic Error

Semantic errors are one step above 'best practice' errors. A semantic error involves using a tag in the wrong way, for example, using <br/> tags to make new lines instead of using <li> tags.

```
<!DOCTYPE html>
<html>
<body>
        <div>
        <p>Check out our list of locations!<br/>
        Brisbane City<br/>
        Cairns<br/>
        Gold Coast</p>
        </div>
</body>
</html>
```

 (list item) tags should be used instead of <br/> tags when creating a list.

Best Practice

Don't overlook these errors! Caused when your code is syntactically correct, but it's been done in a very undesirable manner, best practice errors are important to attend to for clean code.

```
<!DOCTYPE html>
<html>
<body>
        <table>
                <tr>
                        <td>Logo</td>
                        <td>Welcome</td>
                </tr>
        </table>
</body>
</html>
```

<table> should not be used for constructing your entire website. It should be reserved for tabular data.

Deprecated Tag

The deprecated tag error is caused when you use a tag or attribute that was once validly used in HTML but no longer is. An example of this is using a <strike> tag instead of using the new <del>.

```
<!DOCTYPE html>
<html>
<body>
        <p>The <acronym title="World Health
        Organization">WHO</acronym> was
        founded in 1948.</p>
</body>
</html>
```

<acronym> is now a deprecated tag. <abbr> has now replaced it and should be used.

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