

# WHAT IS HTML?

THE ULTIMATE WEB DESIGNER • BRAD HUSSEY

## What is HTML?

HTML (HyperText Markup Language) is a language used to create documents on the web. HTML is meant for meaning and structure of a web page's content.

HTML contains tags that organize and structure text, include images, create forms & tables, and link to other documents or web pages all across the Internet.

# HTML Syntax

The basic syntax of HTML is made up of Tags, Attributes and Elements.

# Tags

HTML tags are tag names surrounded by angle brackets, like so:

```
<html>
```



# Tags

HTML tags usually come in pairs, like so:

```
<body> </body>
```

# Tags

The first tag is called the **opening tag** and the **second tag** is called the **closing tag**.

```
<article>content here</article>
```

↑  
opening tag

↑  
closing tag

# Attributes

Attributes provide extra information about an element and are always specified in the opening tag, like so:

```
<article attribute="value"></article>
```



## Attributes

Attribute values should be enclosed within quotation marks.  
You may come across something like:

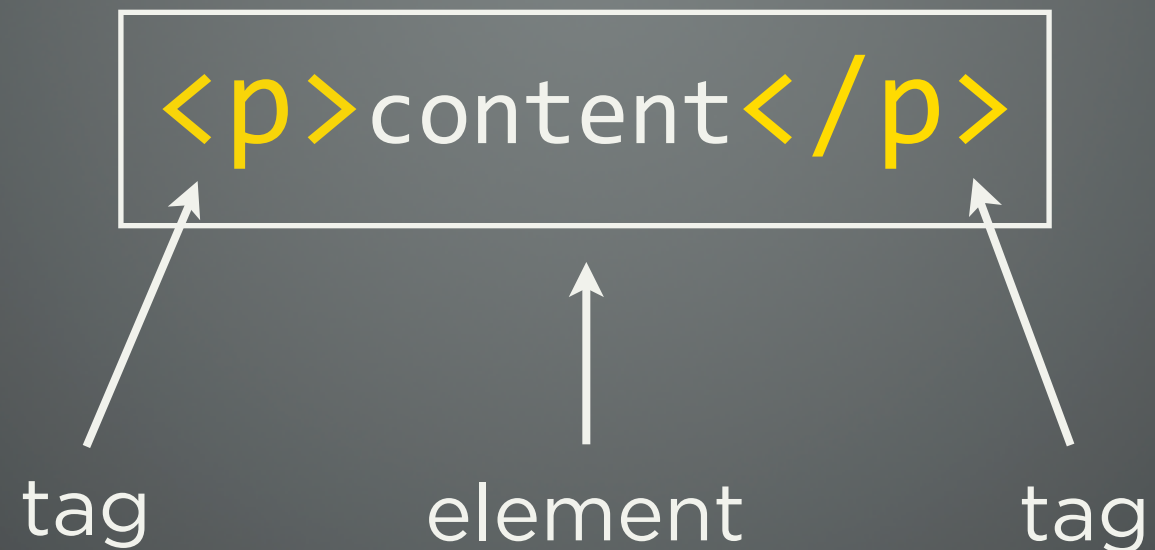
```
<tag attribute=value>
```

But using quotation marks is more common, cleaner, and best practice.



# Elements

An element is a tag and the content it wraps around, for example:



## Visual Recap

### TAGS

```
<body></body>
```

### ATTRIBUTES

```
<strong attribute="value">
```

### ELEMENTS

```
<p>content</p>
```

## HTML Parent / Child Structure

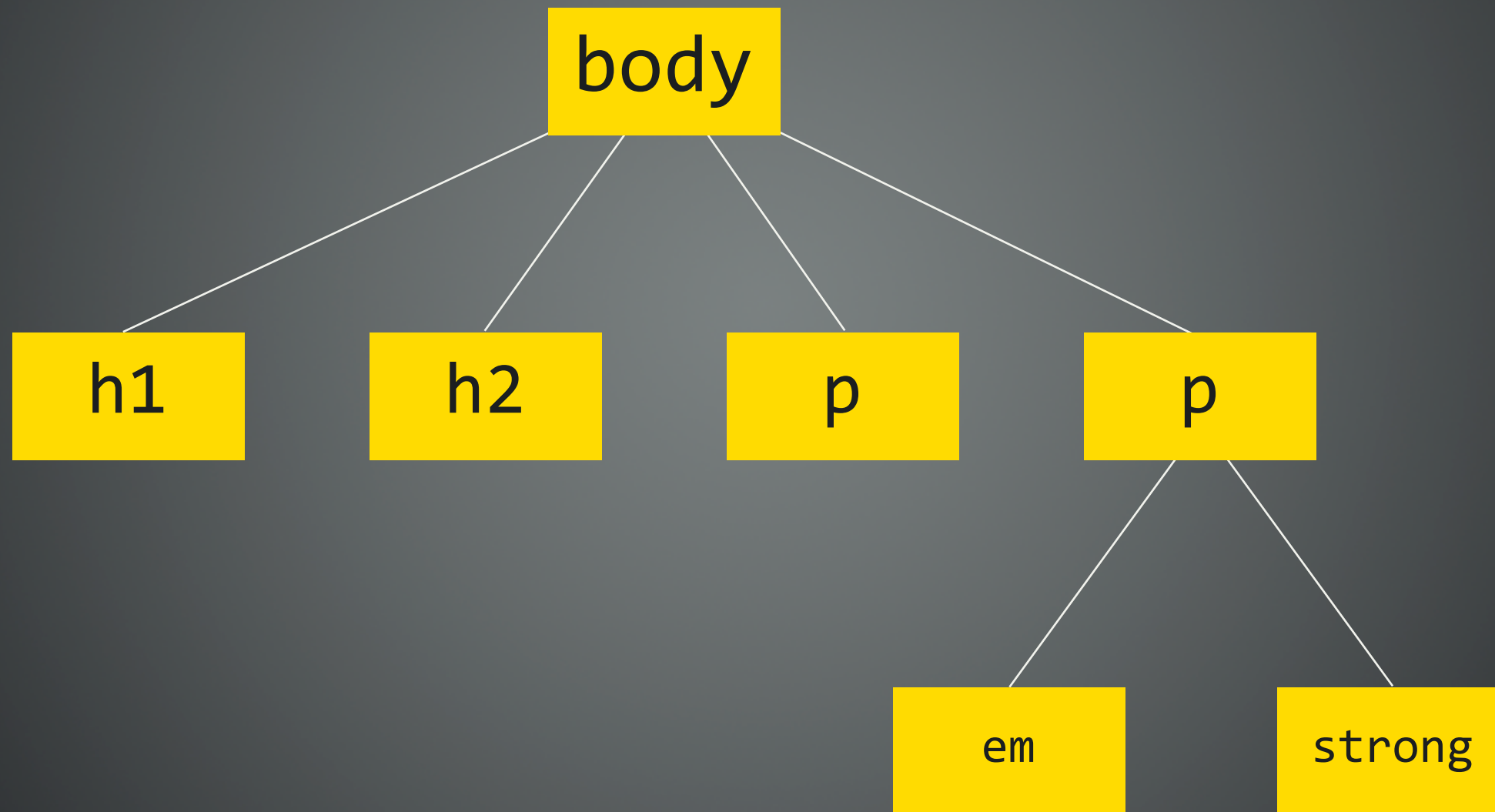
HTML tags are like nested containers. Like Tupperware, or those stackable Russian dolls.

## HTML Parent / Child Structure

It's also called parent/child relationships, where the containing element is referred to as the parent of the element contained within it.



## For example



## Explanation of the example

The `body` is the parent of the headings (`h1`, `h2`) and paragraph tags (`p`), and the second paragraph is the parent of the `em` and `strong` elements.

The `body` is the ancestor of these latter elements, rather than their parent. The headings and paragraphs are siblings, and the `em` and `strong` elements within one `paragraph` tag are siblings.

Make sense?

*GREAT WORK!*

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