HTML

REVIEW

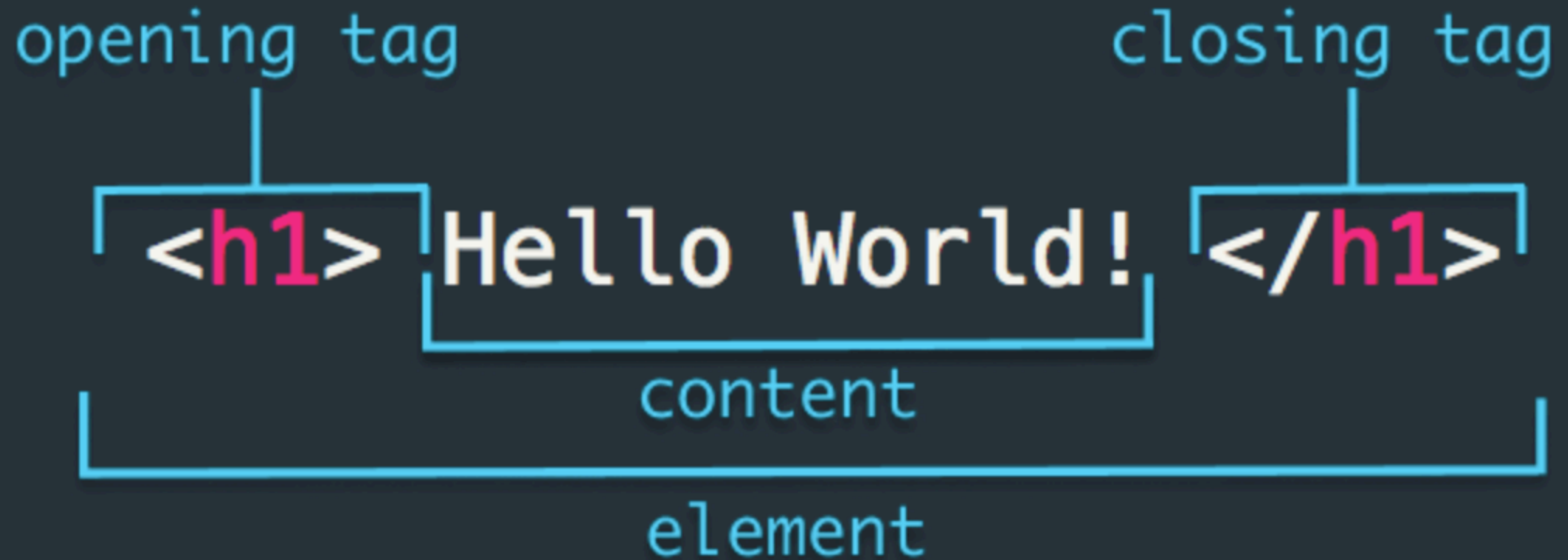# HTML

- HTML defines the content of every web page

- We "mark up" the content with special HTML tags to be able to tell browsers how we want the different parts of our content to be shown

ELEMENTS & TAGS

◎ **HTML tags are used to markup the page so the web browser knows how to format and structure the text layout**

- Think of tags like nouns

◎ **HTML elements represent a full individual component of HTML from opening to closing tag**

- Think of elements like a full sentence
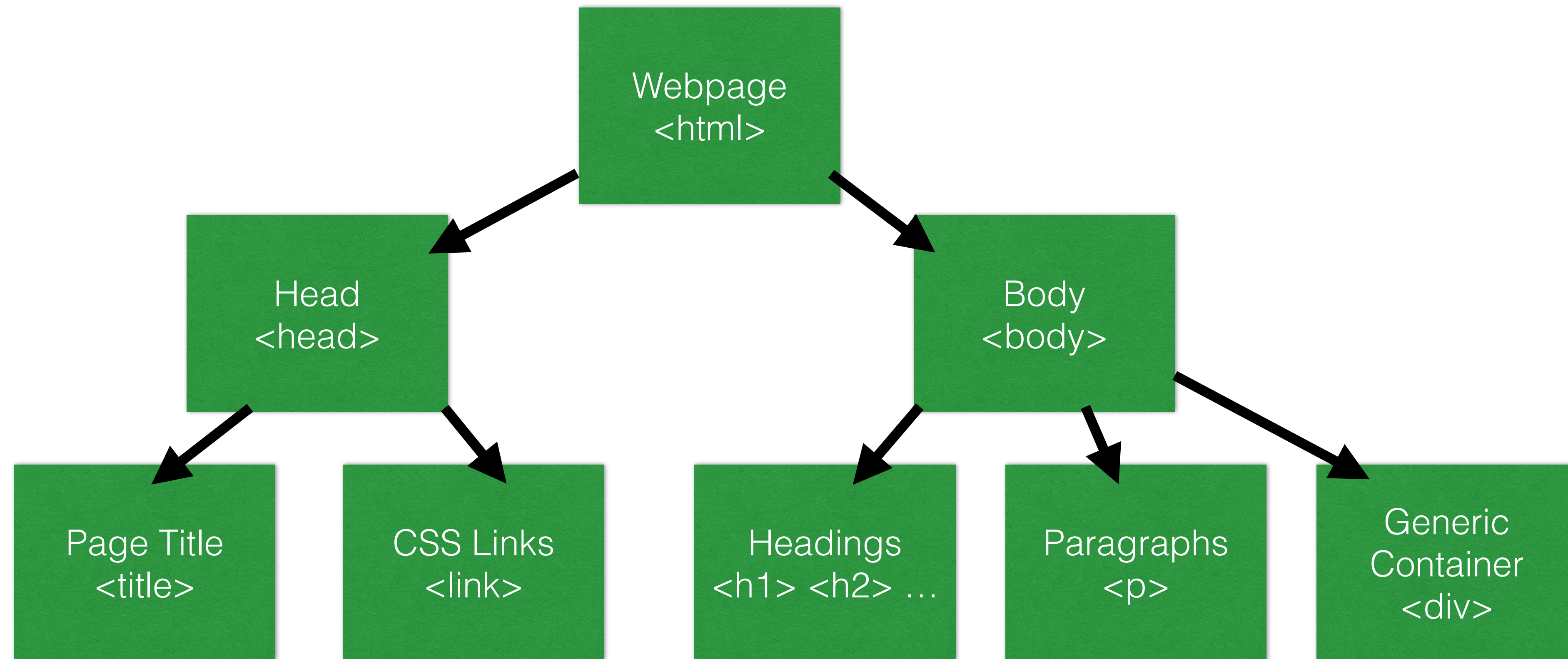
ELEMENTS & TAGS

BLOCK ELEMENTS & INLINE ELEMENTS

◉ **A block level element always starts on a new line and takes up the full width available**

- Ex: divs, paragraphs, forms, tables, lists

◉ **An inline level element does not start on a new line and only takes up as much width as necessary**

- Ex: spans, emphasis, inputs

◉ **Documentation**

ATTRIBUTES

- Attributes are special pieces of information used in HTML elements to adjust the element's behavior or to give the element an identifier
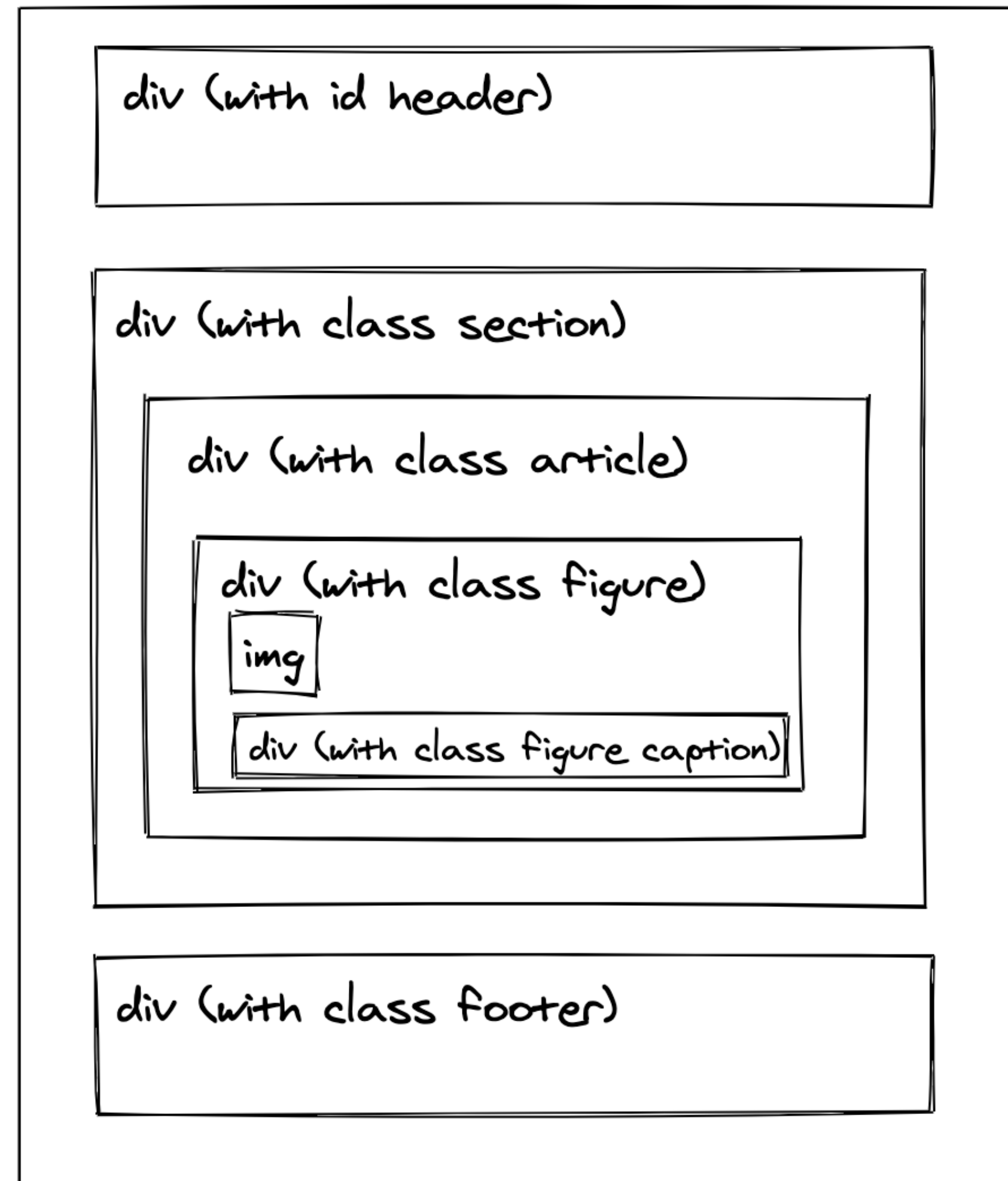
SAMPLE STRUCTURE OF A WEBPAGE

◉ **Hierarchal relationship**

Webpage
<html>

Head
<head>

Body
<body>

Page Title
<title>

CSS Links
<link>

Headings
<h1> <h2> …

Paragraphs
<p>

Generic
Container
<div>

SOME AWESOME WEBPAGE

```html
<div id="header"></div>
<div class="section">
    <div class="article">
        <div class="figure">
            <img>
            <div class="figcaption"></div>
        </div>
    </div>
</div>
<div id="footer"></div>
```

HOW IT MIGHT LOOK

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ASIDE FROM THE LACK OF CONTENT, WHAT IS WRONG WITH THE HTML?

SEMANTIC HTML

SEMANTIC HTML

- **Semantic HTML elements are elements that clearly convey their purpose in the overall page to both the browser and the developer**
  - Ex: article, figcaption, figure, footer, header, nav
  - W3Schools Documentation (these are only some)

REVISITING SOME AWESOME WEBPAGE

```html
<div id="header"></div>
<div class="section">
    <div class="article">
        <div class="figure">
            <img>
            <div class="figcaption"></div>
        </div>
    </div>
</div>
<div id="footer"></div>
```

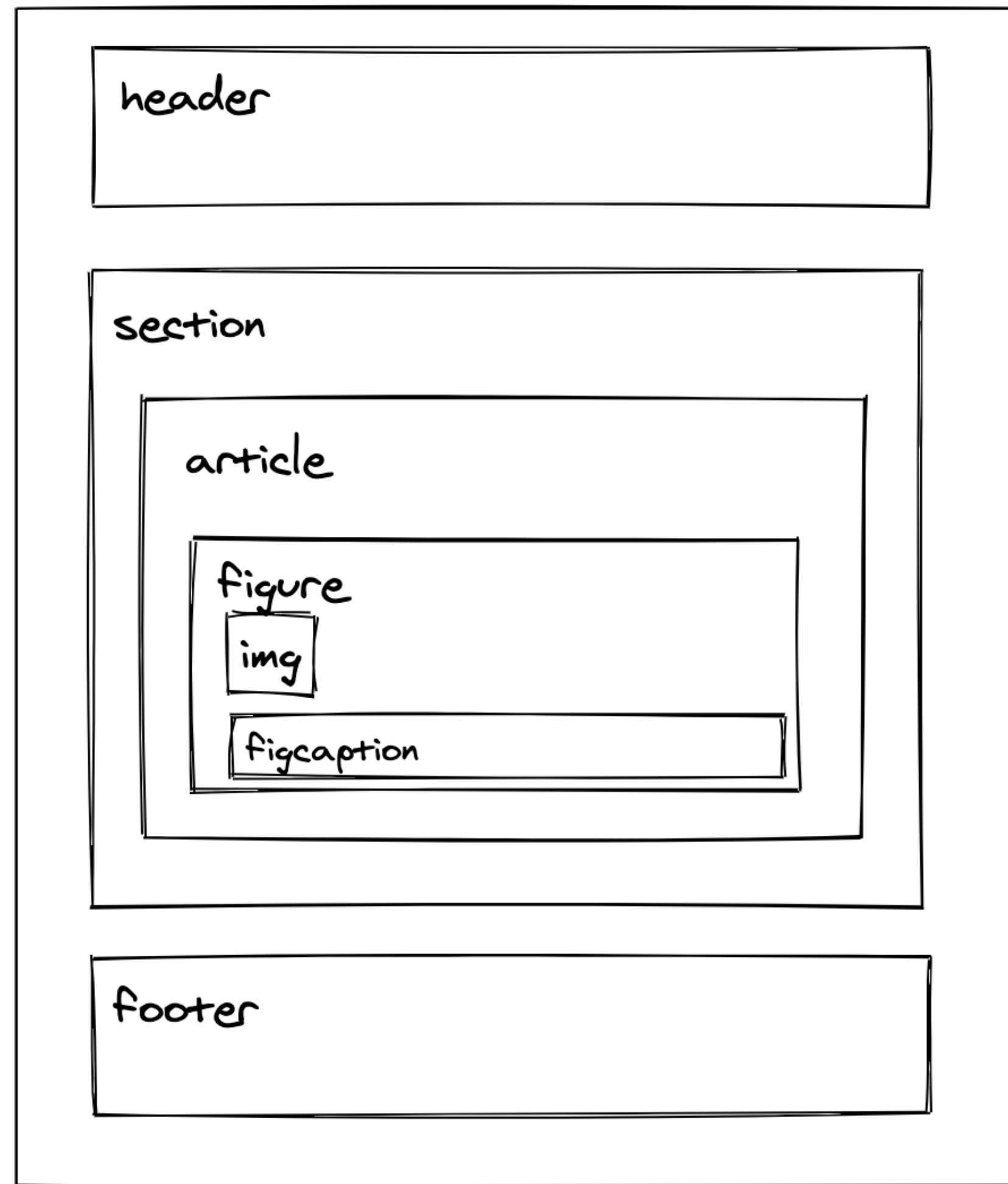# A MORE AWESOME VERSION USING SEMANTIC HTML

```
<header></header>
<section>
    <article>
        <figure>
            <img>
            <figcaption></figcaption>
        </figure>
    </article>
</section>
<footer></footer>
```

STILL LOOKS THE SAME

header

section

article

figure

img

figcaption

footer

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BENEFITS

◉ **Easier to read**

◉ **Better accessibility**

◉ **More scalable and consistent code**

◉ **Gives code more meaning**

◉ **More logical breakdown of webpages**