

HTML

REVIEW

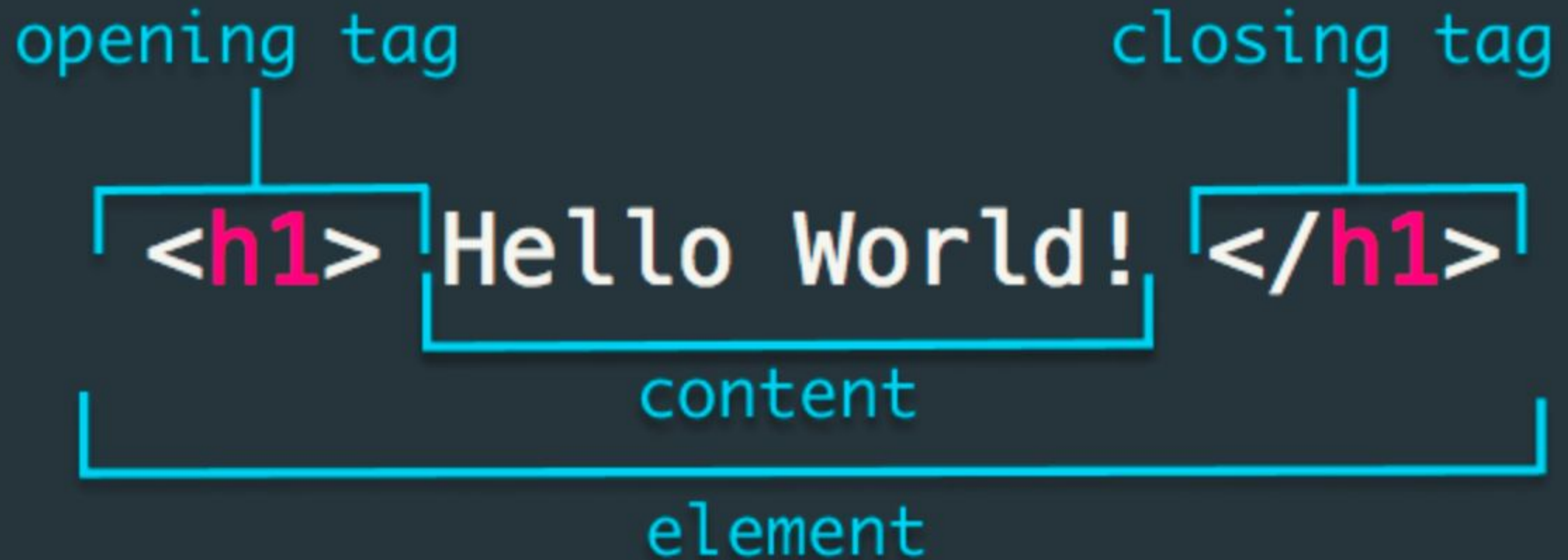
HTML

- ◉ **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

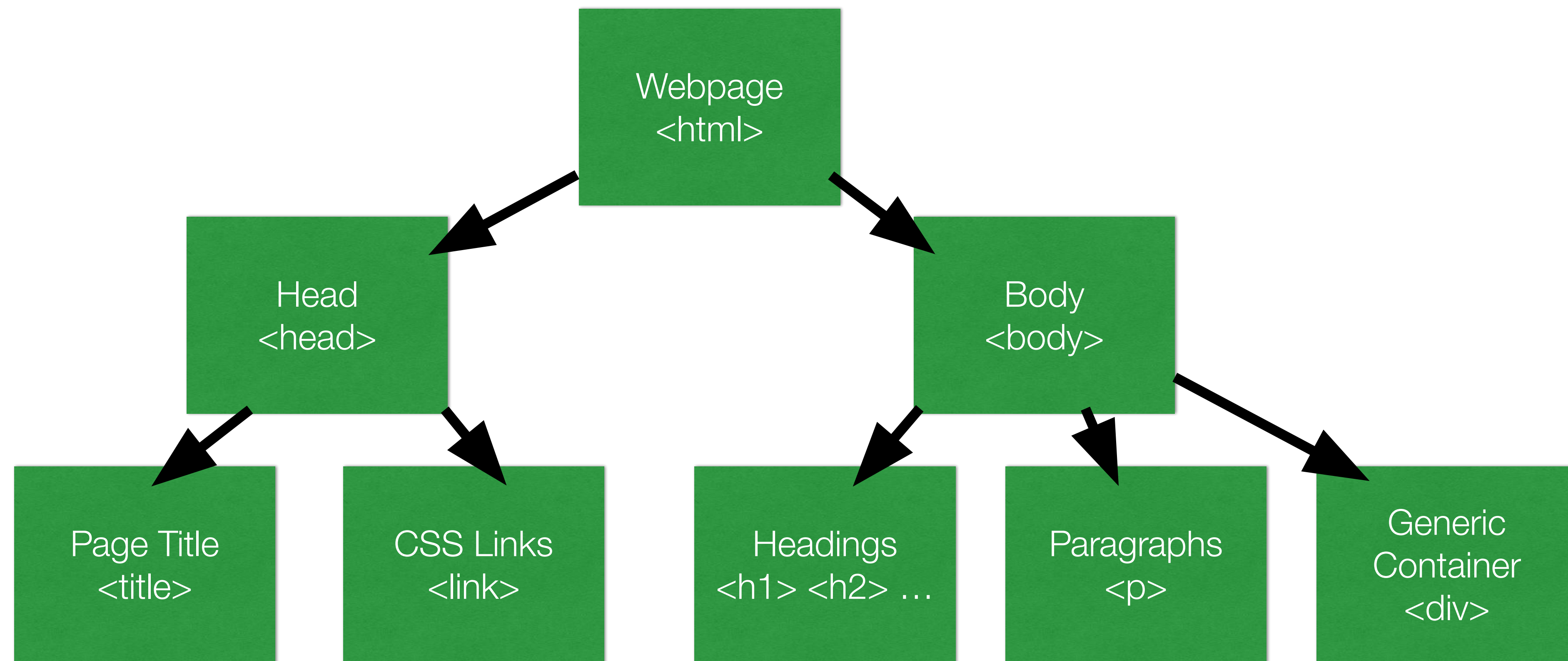
- ◉ **A block level element always starts on a new line and takes up the full width available**
 - Ex: divs, paragraphs, forms, tables, lists
- ◉ **An inline level element does not start on a new line and only takes up as much width as necessary**
 - Ex: spans, emphasis, inputs
- ◉ **[Documentation](#)**

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

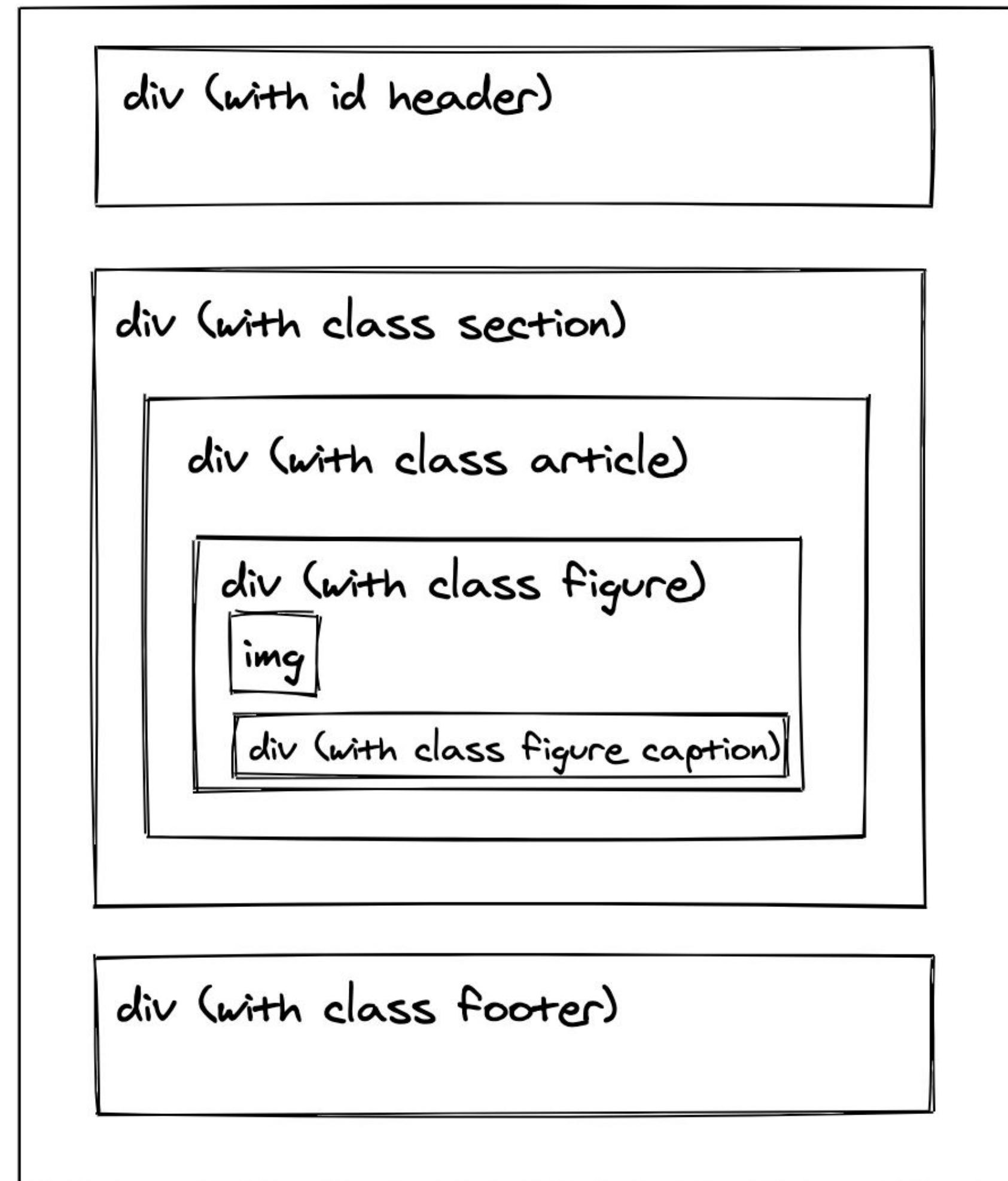
- ◉ **Hierarchical relationship**



SOME AWESOME WEBPAGE

```
<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)

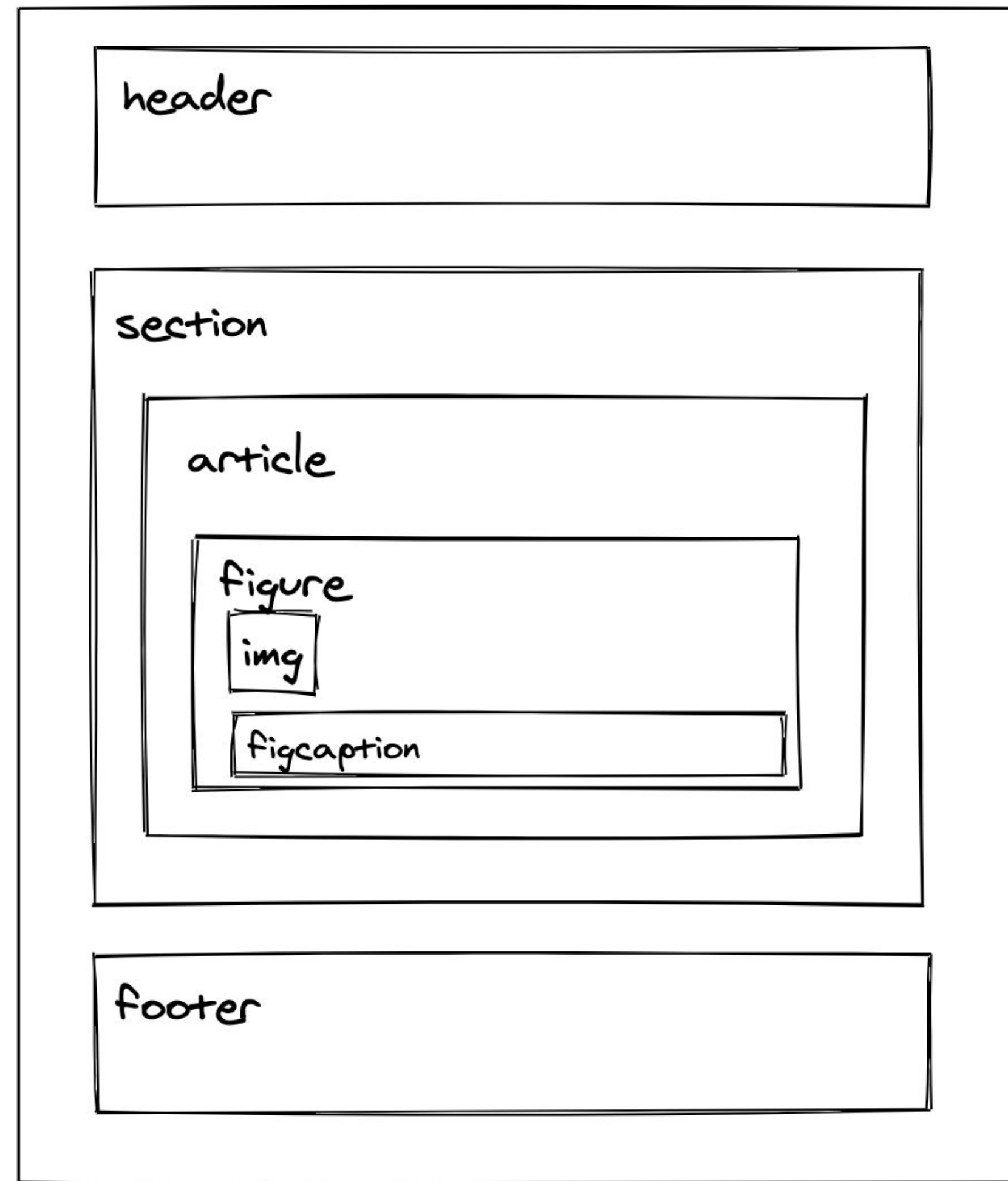
REVISITING SOME AWESOME WEBPAGE

```
<div id="header" class="section">  
</div>  
<div class="section">  
  <div class="section">  
    <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



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BENEFITS

- ◉ **Easier to read**
- ◉ **Better accessibility**
- ◉ **More scalable and consistent code**
- ◉ **Gives code more meaning**
- ◉ **More logical breakdown of webpages**