

# INTRO TO HTML

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Artem Chernyak

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Markup

HTML Structure

Block elements

Inline elements

Non-semantic Elements

Most important attributes

# DEFINITION

A system for annotating a document in a way that is syntactically distinguishable from the text.

# Hello

- \* Easy
- \* Formatting

# Hello

- Easy
- Formatting

# IMPORTANCE

- separates content and layout
- easy to share
- edito agnostic
- universal understood

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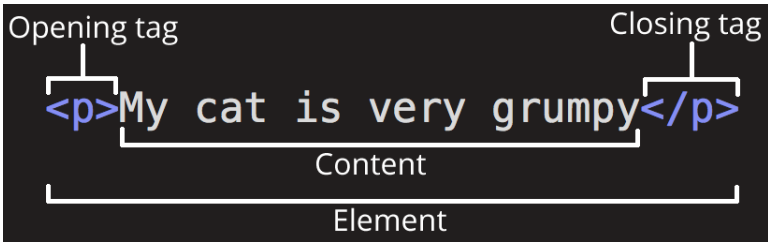
Non-semantic Elements

Most important attributes

# INTRO

- markup language
- designed to display text documents
- supports almost no styling without css
- most used markup language in the world

# ANATOMY OF AN HTML ELEMENT





# BLOCK ELEMENTS

- appear on new line
- following element will be on a new line
- structure elements
- can appear nested inside each other
- should not be nested inside an inline element

# INLINE ELEMENT

- does not start a new line
- used to surround small parts of a document
- normally inside paragraphs of text

# ELEMENT TYPES EXAMPLE

`<em>first</em>`

`<em>second</em>`

`<em>third</em>`

`<p>fourth</p>`

`<p>fifth</p>`

`<p>sixth</p>`

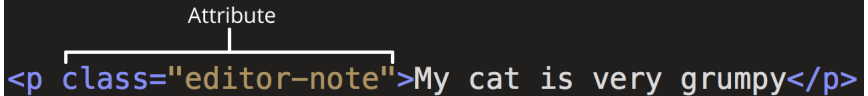
*firstsecondthird*

fourth

fifth

sixth

# ATTRIBUTES



Attribute

```
<p class="editor-note">My cat is very grumpy</p>
```

# WHITESPACE

<p>Dogs are silly.</p>

<p>Dogs are  
silly.</p>

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# PARAGRAPH

```
<p>Hello class</p>
```

- block element
- used to wrap paragraphs of text
- no other properties

# HEADINGS

```
<h1>Hello</h1>
```

- used to wrap text
- makes text bigger and bolder than standard
- `<h1>`, `<h2>`, `<h3>`, `<h4>`, `<h5>`, `<h6>`



# UNORDERD LIST

```
<ul>  
  <li>One</li>  
  <li>Two</li>  
</ul>
```

- block element
- creates a bullet point list
- each of the elements should have an *li*

# ORDERED LIST

```
<ol>  
  <li>One</li>  
  <li>Two</li>  
</ol>
```

- block element
- creates a numbered list
- each of the elements should have an *li*

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**Inline elements**

Non-semantic Elements

Most important attributes

# ITALICIZE AND BOLD

`<em>Hello</em><strong>World</strong>!!!`

- inline elements
- *em* will make the contents italicized
- **strong** will make the contents bold

```
<a href="http://test.com"
    title="Test link">Sample link</a>
```

- inline element
- turns anything inside into a clickable link
- href is required provide a url
- can contain other elements
- title is used to show hover text

# IMAGES

```

```

- inline element
- displays the provided image
- src is the relative path to an image
- alt will display text if no image found

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**Non-semantic Elements**

Most important attributes

# DEFINITION

- elements with no meaning
- only use if no other element can be used
- can be used for grouping and placement



```
<div>  
  <p>This div is useless</p>  
</div>
```

- block element
- used in advanced layouts
- can be used to group and change style of large areas of text

# SPAN

`<p>This span is <span>useless</span></p>`

- inline element
- used for highly customized text elements
- only use if no other inline element makes sense

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Non-semantic Elements

Most important attributes

```
<div class="custom-layout">  
  <p>This is how you make a useful</p>  
</div>
```

- used to apply style to multiple elements
- can contain multiple style
- the same element can be applied to multiple elements
- should be most commonly used attribute for styling

```
<div id="custom-layout">  
  <p>This is how you make a useful</p>  
</div>
```

- used for a single special element
- can contain multiple style
- the same id should never be reused