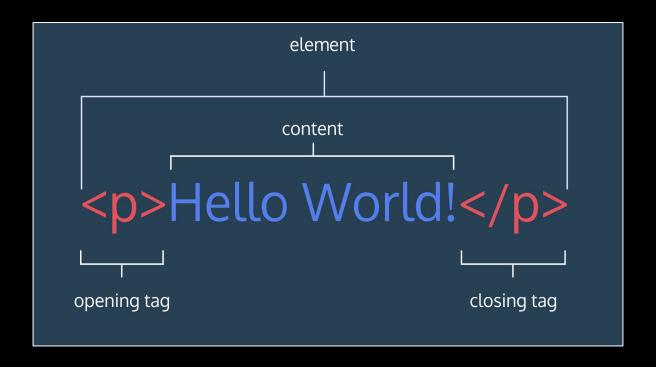
< HTML >

It's a markup language

but not programming language

Used to tell **browser** how to **structure** web pages

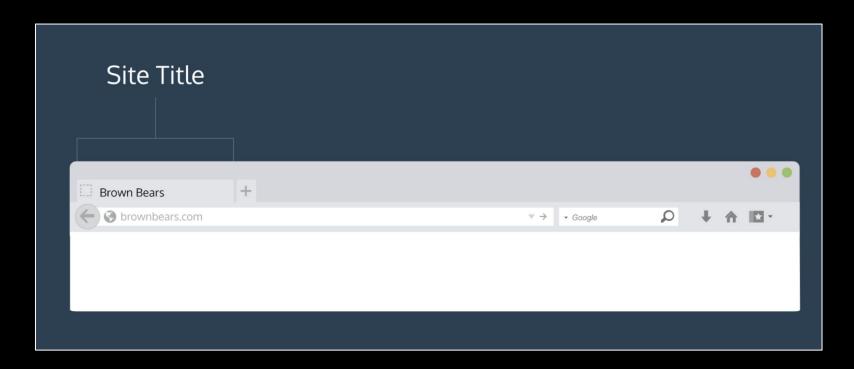
HTML element anatomy



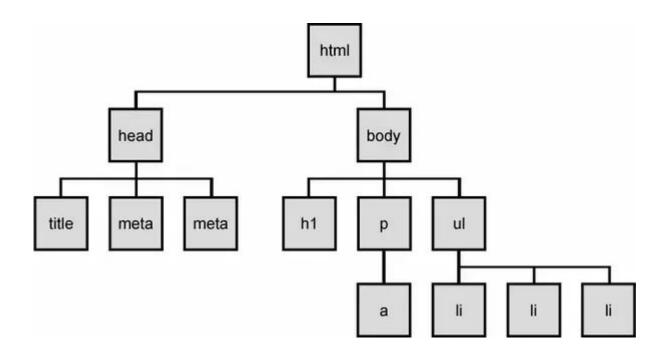
HTML document structure

```
index.html
                                                                https://localhost/
   <!DOCTYPE html>
                                                     My first heading
2 ▼ <html>
     <head>
      <meta charset="UTF-8"/>
                                                     My first paragraph
       <title>My web page title</title>
     </head>
     <body>
      <h1>My first heading</h1>
       My first paragraph
     </body>
   </html>
```

HTML document structure

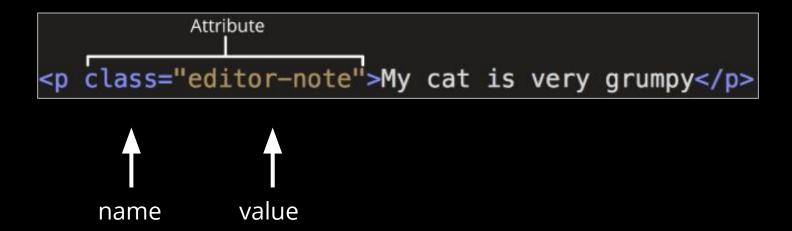


DOM

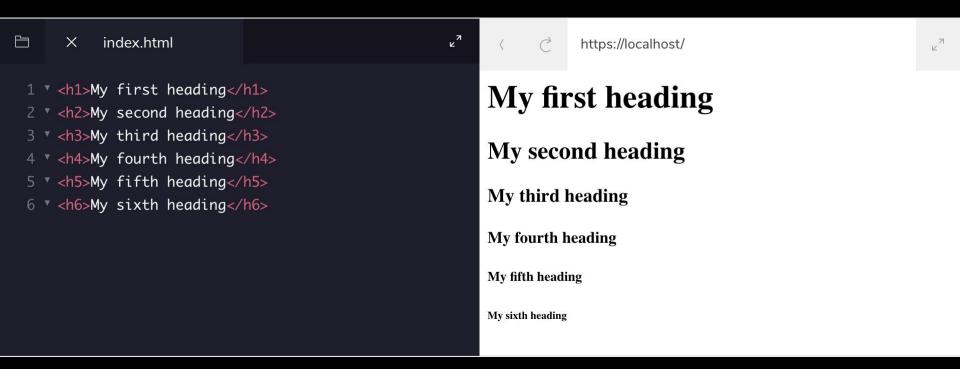




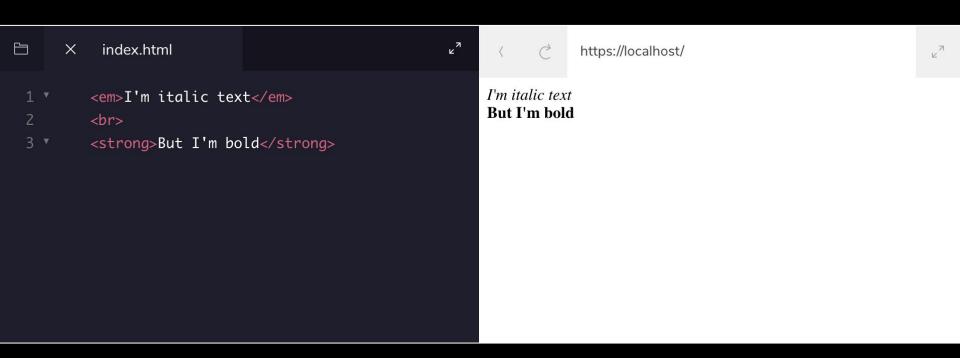
Attributes



Headings



Text styling

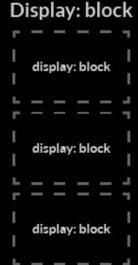


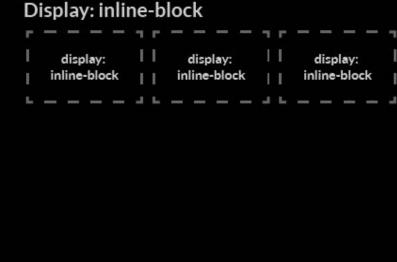
Divs

```
index.html
                                                                 https://localhost/
    <body>
                                                      Why use divs?
      <div>
        <h1>Why use divs?</h1>
                                                      Great for grouping elements!
        Great for grouping elements!
      </div>
     </body>
```

Categories of HTML elements

Display: inline display: inline display: display: inline display: inline display: inline





Block <div>

- they will appear on a new line from whatever content went before it, and any content that goes after it will also appear on a new line
- paragraphs, lists, navigation menus, footers etc.

Inline

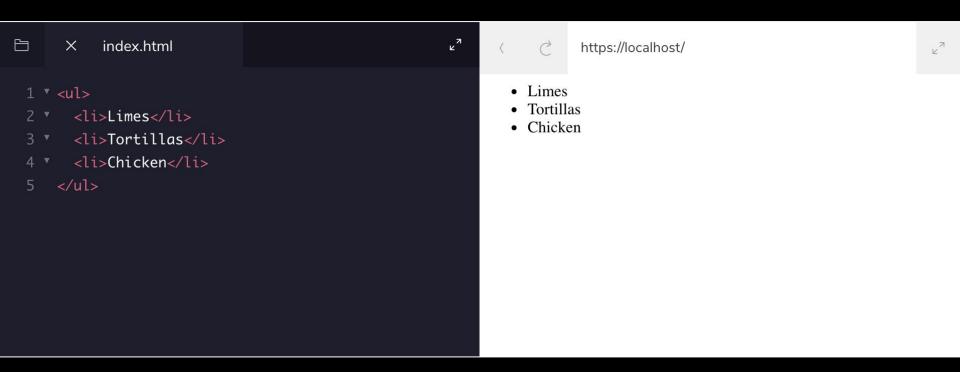
- they will not cause a new line to appear in the document
- surrounds only small parts of the document's content, not entire paragraphs; they would normally appear inside a paragraph of text
- <a> (hyperlink), emphasis elements (,)

Comments

<!-- This is a comment

that the browser will not display -->

Lists (unordered)



Lists (ordered)

```
index.html
 1 ▼ 
     Preheat the oven to 350 degrees.
     Mix whole wheat flour, baking soda, and
    salt.
 4 ▼ Cream the butter, sugar in separate bowl.
    Add eggs and vanilla extract to bowl.
```

1. Preheat the oven to 350 degrees.

https://localhost/

- 2. Mix whole wheat flour, baking soda, and salt.
- 3. Cream the butter, sugar in separate bowl.
- 4. Add eggs and vanilla extract to bowl.

Images

```
index.html
                                                                       https://localhost/
     <img src="https://s3.amazonaws.com/codecademy-</pre>
     content/courses/web-101/web101-
     image_brownbear.jpg" />
         <img src="#" alt="A field of yellow</pre>
        sunflowers" />
```

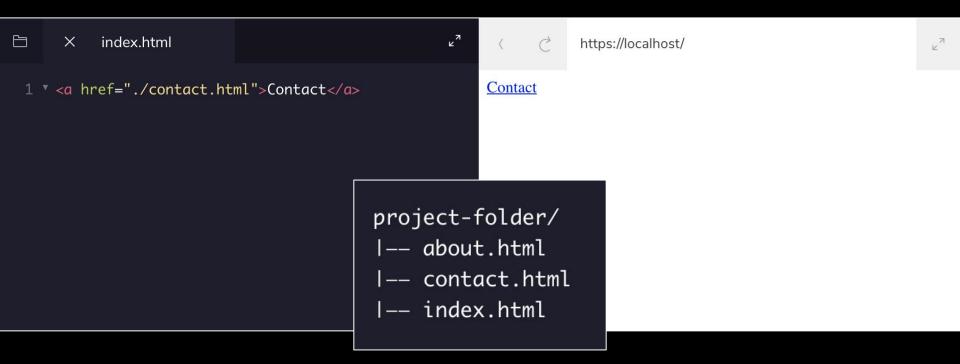
Videos

```
index.html
                                                                     https://localhost/
1 ▼ <video src="https://s3.amazonaws.com/codecademy-
   content/courses/freelance-1/unit-1/lesson-
   2/htmlcss1-vid_brown-bear.mp4
   " width="320" height="240" controls>
     Video not supported
   </video>
                                                           0:00 / 0:17
```

Linking to external page



Linking to relative path



Linking to same page

```
X
         index.html
                                                            https://localhost/
                                                     1. <u>Top</u>
 1 * 
                                                     2. Bottom
      <a href="#top">Top</a>
      <a href="#bottom">Bottom</a>
                                                  This is the top of the page!
    This is the bottom!
 6 ▼ This is the top of the page!
 7 ▼ <h1 id="bottom">This is the bottom! </h1>
```

Tables

```
 row  cell (data)
      header
 <thead> <tfoot>
colspan rowspan attributes
```



```
https://localhost/
```

```
Tables
```

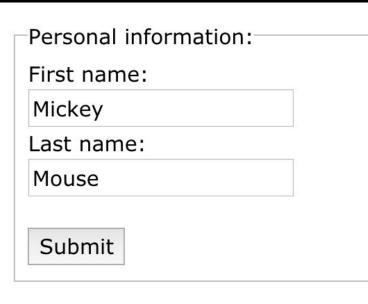
```
<sub>2</sub>7
index.html
  Quarter
  Revenue
 </thead>
  Q1
  $10M
 Q2
  $12M
 Total
  $22M
 </tfoot>
```

```
Quarter Revenue
      $10M
  Q1
      $12M
```

Q2Total \$22M

jit.team 2018

Forms elements



Forms name attribute

Each input field must have a name attribute to be submitted.

If the name attribute is omitted, the data of that input field will not be sent at all.

```
1 <input type="text"</pre>
```

- 2 name="lastname"
- 3 value="Mouse"/>

Forms input types

<input type = "text"> <input type = "radio"> <input type = "checkbox"> <input type = "button"> <input type = "password"> <input type = "submit">

MaleFemaleOther
Click Me!



- Submit
- ☐ I have a bike☐ I have a car

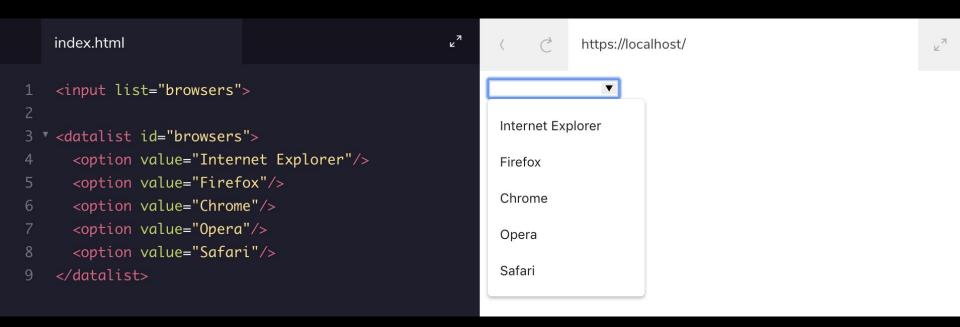
Forms input attributes

action

- specifies the URL of a file that will process the input control when the form is submitted
- overrides the action attribute of the <form> element
- is used with type="submit" and type="image"

Forms input attributes

list - refers to a <datalist> with pre-defined options for an <input> element



Forms input attributes

value - attribute specifies the **initial value** for an input field disabled - specifies that the input field is disabled size - specifies the size (in characters) for the input field maxlength - specifies the maximum allowed length for the input field placeholder - specifies a **hint** that describes the expected value required - specifies that an input field **must be filled** out before submitting

Forms

GET

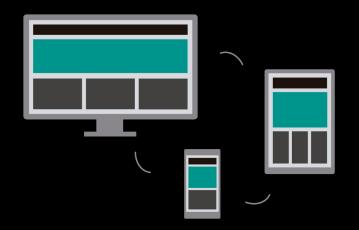
- The default method when submitting form data
- Visible in the page address field
- Appends form-data into the URL in name/value pairs

POST

- If the form data contains sensitive or personal information
- Does not display the submitted form data in the page address field.

/action_page.php?firstname=Mickey&lastname=Mouse

Responsive Web Design



<meta name="viewport" content="width=device-width, initial-scale=1.0">



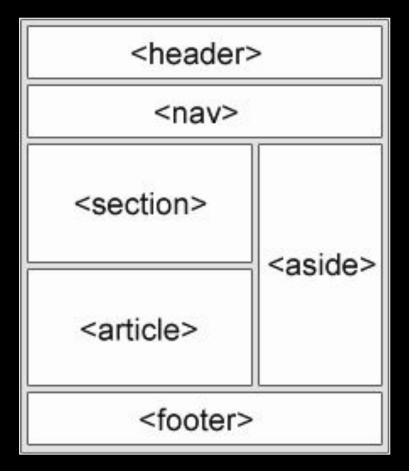




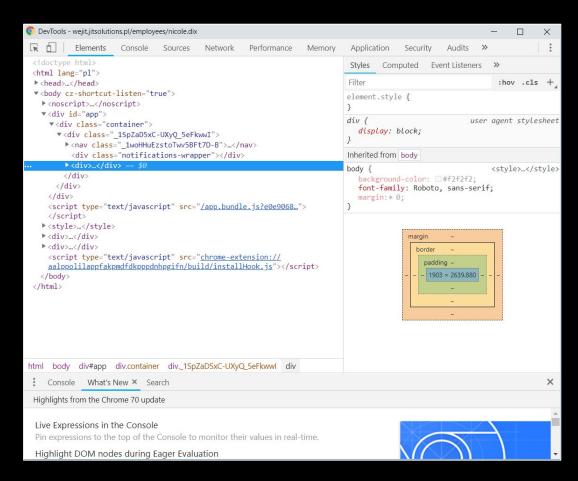
HTML5 API's

HTML Geolocation
HTML Drag and Drop
HTML Local Storage
HTML Application Cache
HTML Web Workers
HTML SSE

Semantic elements



Debugging



Workshop #1

First page

navigation and postcards list

Workshop #2

Second page postcards share form