



# FEWD - HTML BASICS

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# LEARNING OBJECTIVES

- Apply HTML tags to a web page.
- Describe the DOM and draw a simple DOM tree.
- Create and link an external style sheet.

# AGENDA

- HTML Tags & CSS Selectors Review
- Adding Structure
- External Style Sheets
- Lab Time

# CHECKIN & QUESTIONS

In the #01-html-basics Slack channel, share your answers to the following questions:

1. The **most significant thing I learned** while completing the Dash projects is \_\_\_\_\_.
2. My **biggest outstanding question** based on what I learned in Dash is \_\_\_\_\_.

# ABOVE THE FOLD

# **OPEN A MEDIA SOURCE IN YOUR BROWSER**

How do media outlets make it clear which content is important?

# HTML TAGS & CSS SELECTORS REVIEW

# HTML BASICS



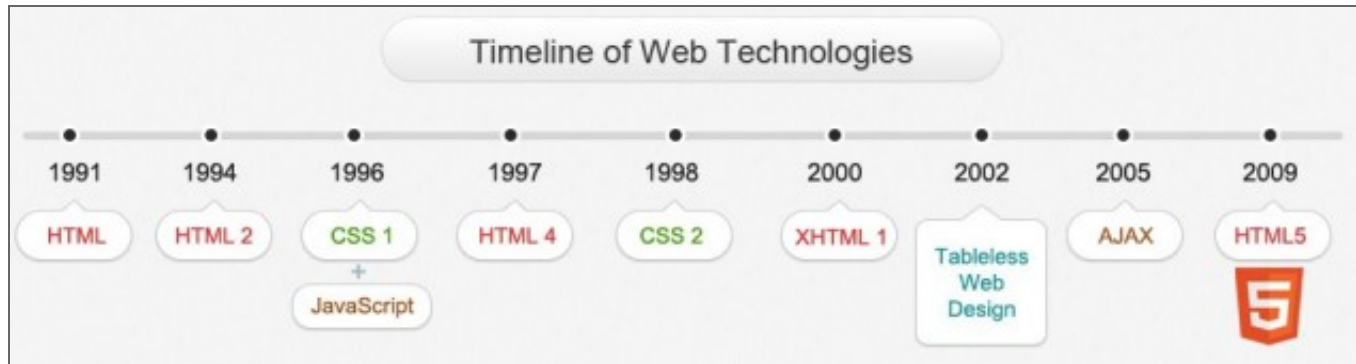
# HTML VS HTML5

HTML5 is a term sometimes used to refer to the modern version of HTML.

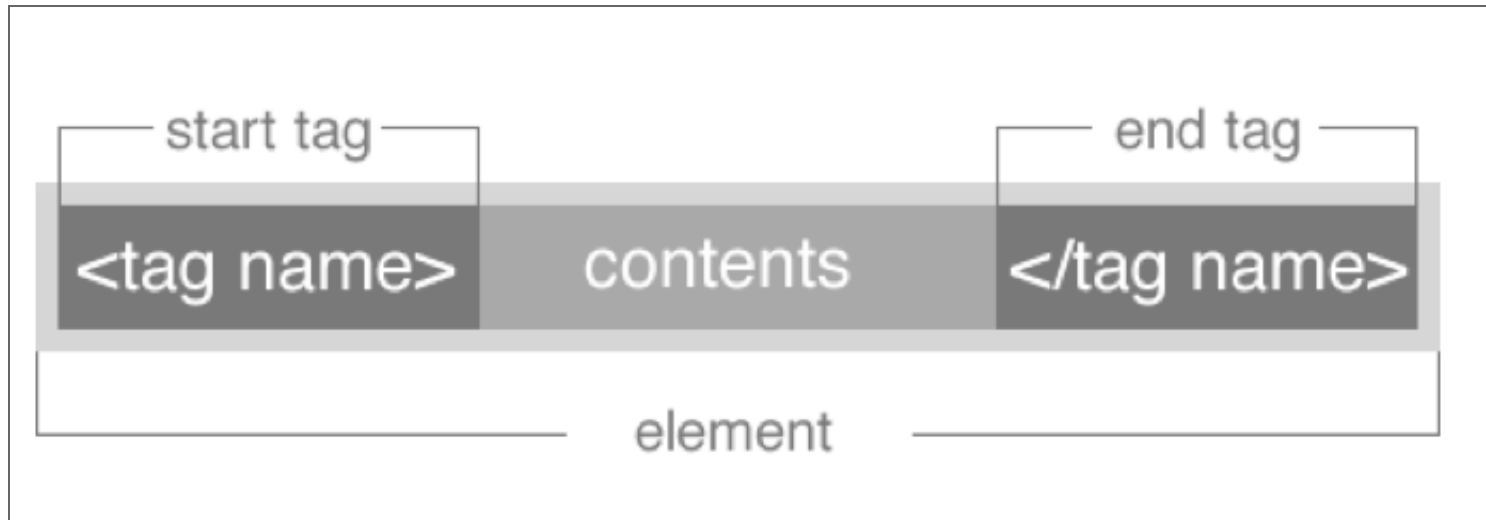
The following Doctype tells you that a page is written using the rules of HTML5:

```
<!DOCTYPE html>
```

# HTML HISTORY



# HTML SYNTAX



# HTML SYNTAX



# CONTENT TAGS

## HEADING ELEMENTS

`<h1>Largest Heading</h1>`

`<h2> . . . </h2>`

`<h3> . . . </h3>`

`<h4> . . . </h4>`

`<h5> . . . </h5>`

`<h6>Smallest Heading</h6>`

# CONTENT TAGS

## TEXT ELEMENTS

`<p>This is a paragraph</p>`

`<code>This is some computer code</code>`

# CONTENT TAGS

## UNORDERED LIST

`<ul> </ul>`

# CONTENT TAGS

## UNORDERED LIST ITEM

```
<li>First item</li>
```

```
<li>Next item</li>
```

...



# CONTENT TAGS

## LINKS

```
<a href="link">First item</a>
```

# CSS SELECTORS

Basic selectors consist of the tag name without the angle brackets:

p

# DOM

The **Document Object Model (DOM)** is the way a browser represents the contents of an HTML document.

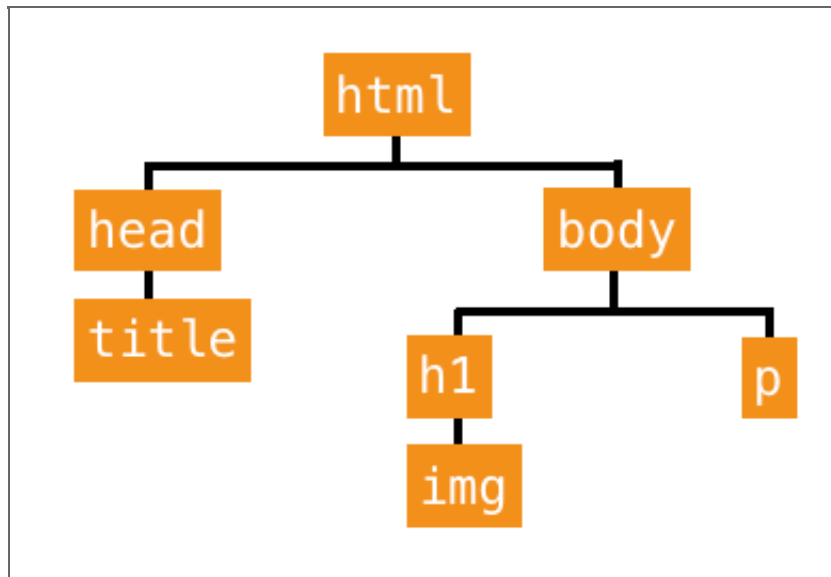
# DOM TREE

A DOM tree is based on HTML code

```
<html>
  <head>
    <title>JavaScript Basics</title>
  </head>
  <body>
    <h1></h1>
    <p>First, master HTML and CSS.</p>
  </body>
</html>
```

# DOM TREE

A DOM tree illustrates the hierarchical relationships within HTML code

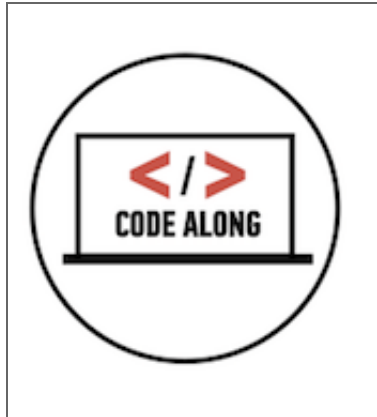


# CREATE A DOM TREE FROM THIS CODE

```
<html>
  <h1>San Francisco City Hall</h1>
  <ul>
    <li>Opened in 1899</li>
    <li>Reopened in 1915</li>
  </ul>
</html>
```

# WHAT DO HTML ELEMENTS TELL US ABOUT THEIR CONTENT?

Element	Content
h1, h2, h3, h4, h5, h6	headings
p	paragraph
ul	list
a	link
img	image



# GENERAL ASSEMBLY PRESS RELEASE

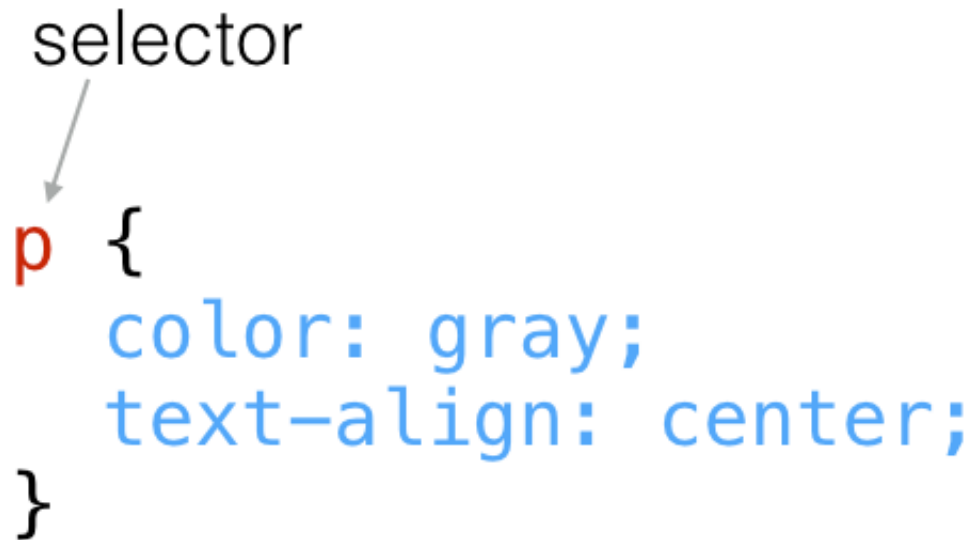


# EXTERNAL STYLE SHEETS

# STYLE RULE

```
p {  
  color: gray;  
  text-align: center;  
}
```

# STYLE RULE



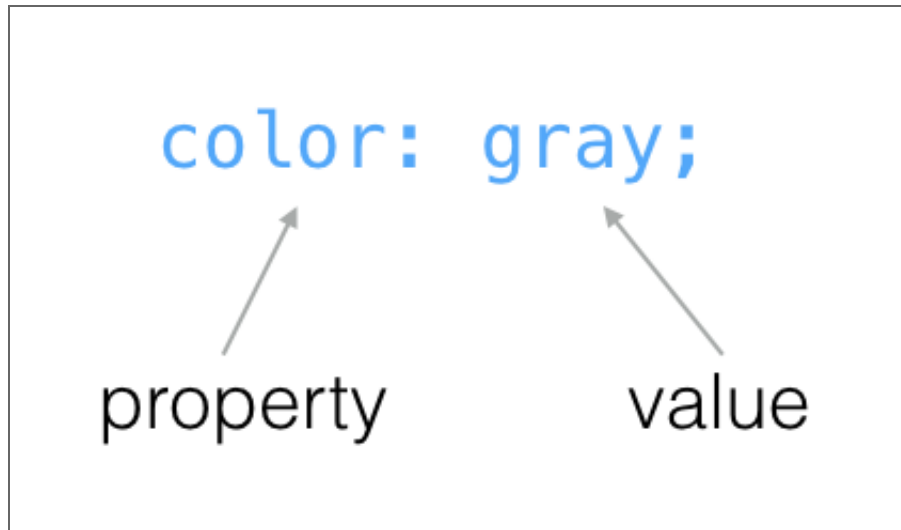
selector

**p** {  
color: gray;  
text-align: center;  
}

# STYLE RULE

```
p {  
  color: gray; ← declaration  
  text-align: center;  
}
```

# STYLE RULE



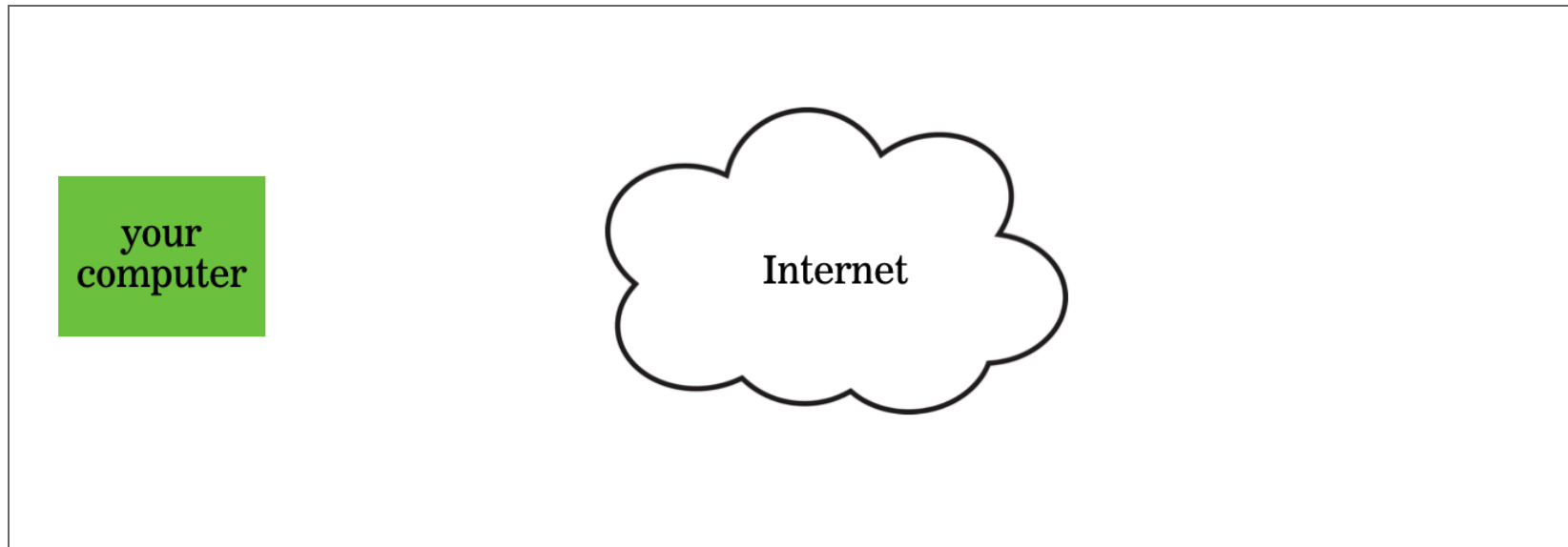
# SOME CSS PROPERTIES

- background-color
- border
- color
- font-family
- font-style
- margin
- padding

# LINKING AN EXTERNAL STYLE SHEET

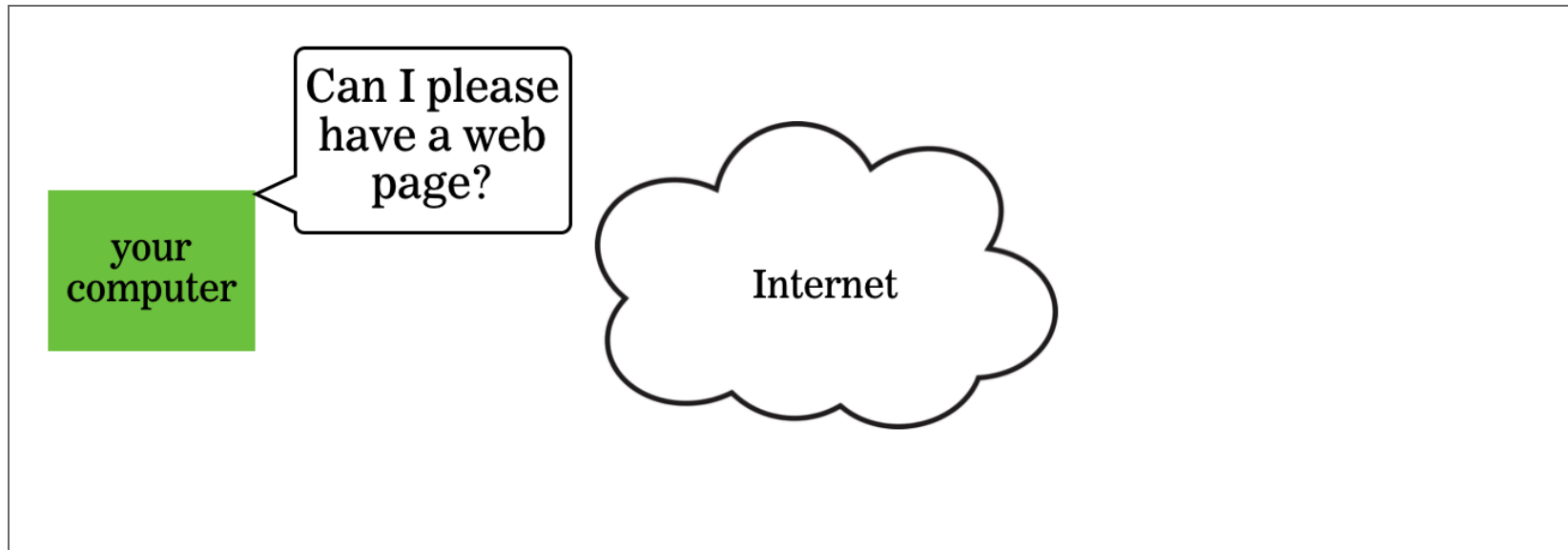
```
<link rel="stylesheet" href="style.css">
```

# WORKING WITH AN EXTERNAL STYLE SHEET

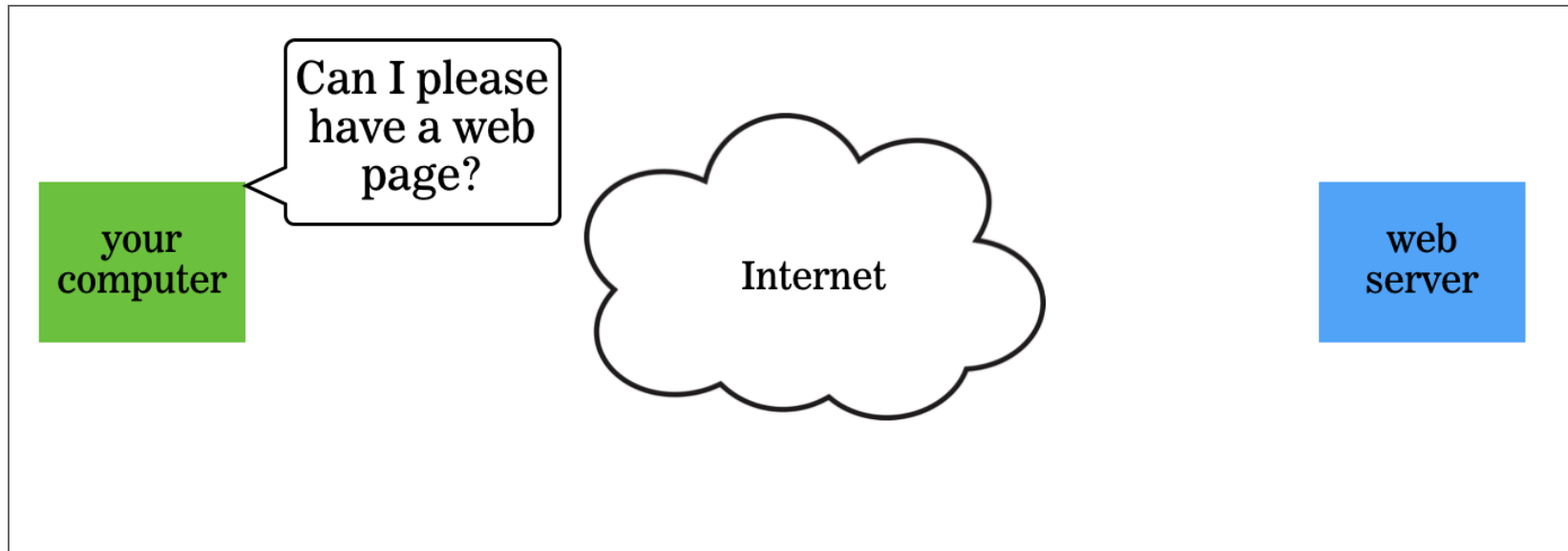




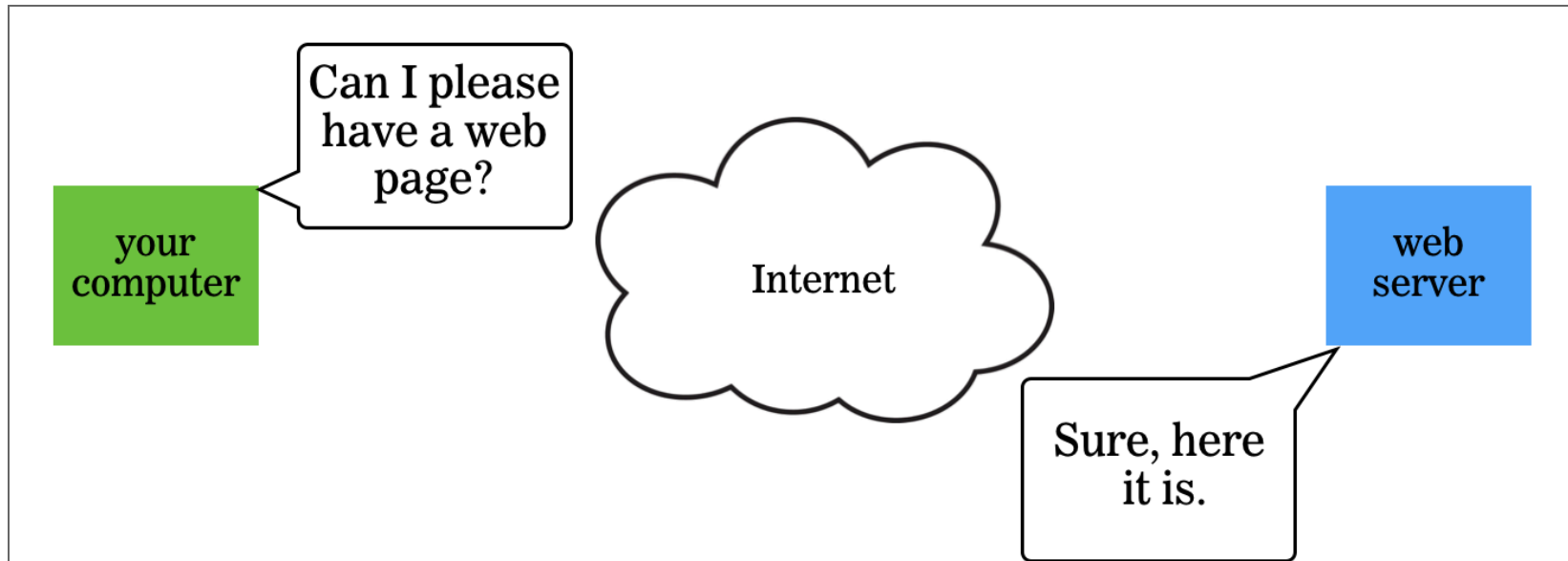
# WORKING WITH AN EXTERNAL STYLE SHEET



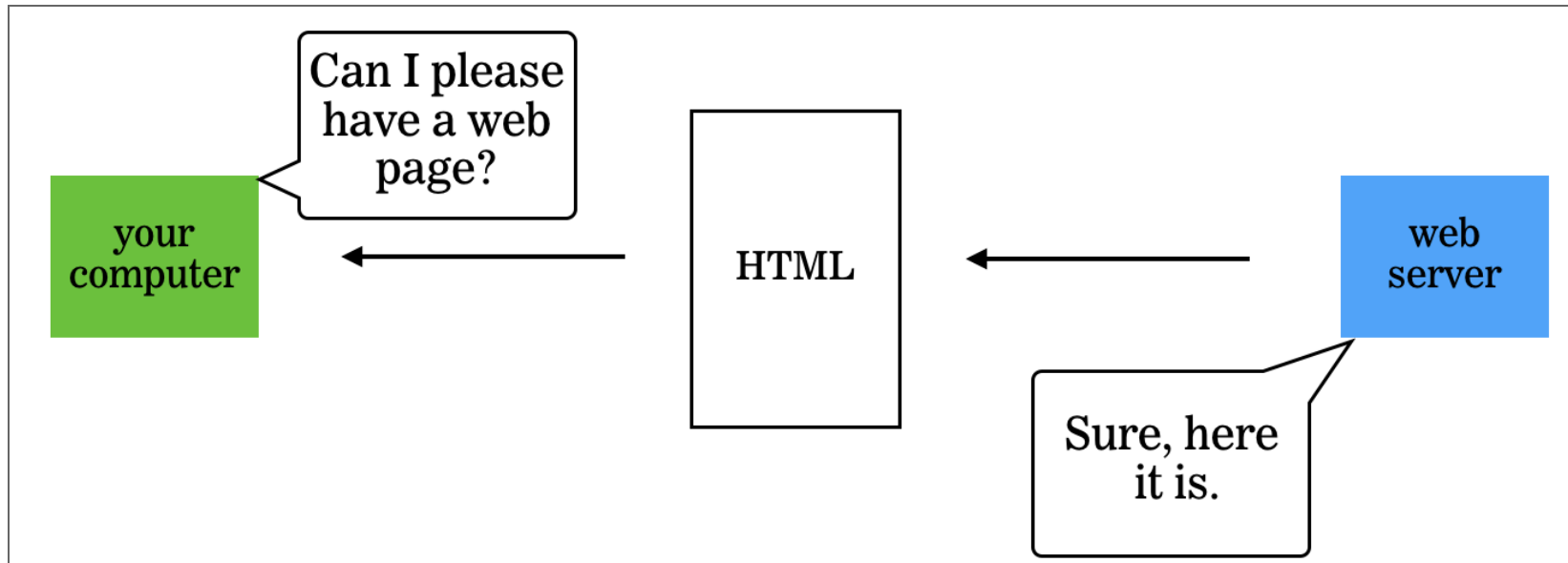
# WORKING WITH AN EXTERNAL STYLE SHEET



# WORKING WITH AN EXTERNAL STYLE SHEET



# WORKING WITH AN EXTERNAL STYLE SHEET



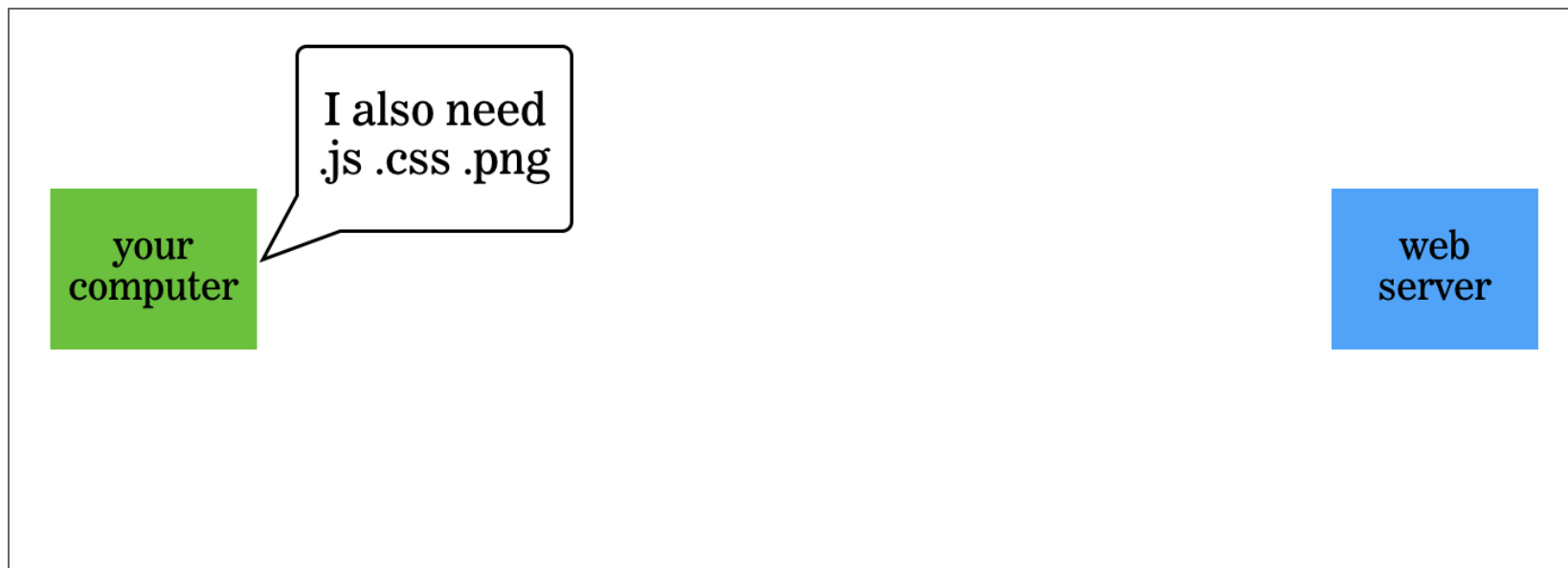
# WORKING WITH AN EXTERNAL STYLE SHEET

```
<html>
  <head>
    <script src="app.js"></script>
    <link href="style.css">
  </head>
  <body>
    
  </body>
</html>
```

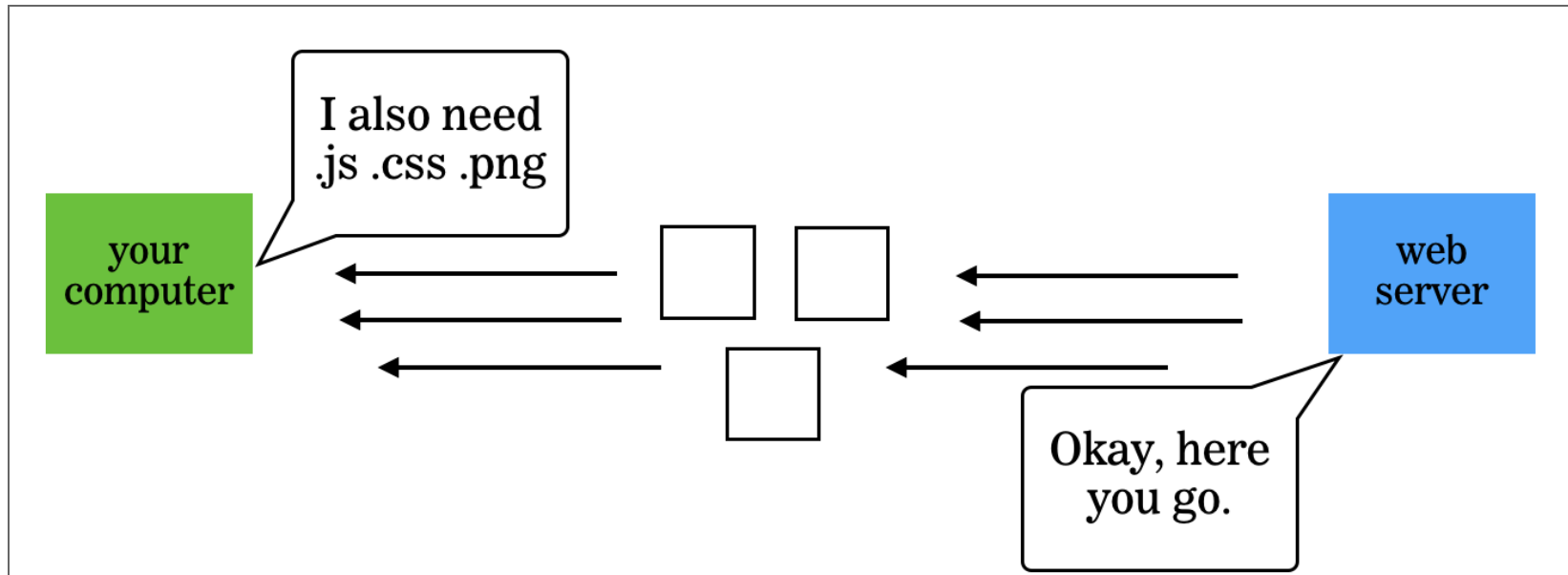
# WORKING WITH AN EXTERNAL STYLE SHEET

```
<html>
  <head>
    <script src="app.js"></script>
    <link href="style.css">
  </head>
  <body>
    
  </body>
</html>
```

# WORKING WITH AN EXTERNAL STYLE SHEET



# WORKING WITH AN EXTERNAL STYLE SHEET





# WORKING WITH AN EXTERNAL STYLE SHEET

Here is the web page.

It's a combination of HTML, CSS, JavaScript,  
and images.



# SOME CSS PROPERTIES

- background-color
- border
- color
- font-family
- font-style
- margin
- padding

# BACKGROUND-COLOR PROPERTY

Cascading Style Sheets

(unstyled)

---

Cascading Style Sheets

```
background-color: lightgray;
```

## BORDER PROPERTY

Cascading Style Sheets

(unstyled)

---

Cascading Style Sheets

```
border: 1px solid black;
```

# COLOR PROPERTY

Cascading Style Sheets

(unstyled)

---

Cascading Style Sheets

color: green;

# FONT-FAMILY PROPERTY

Cascading Style Sheets

(unstyled)

---

Cascading Style Sheets

```
font-family: Arial, Helvetica, sans-serif;
```

# FONT-STYLE PROPERTY

Cascading Style Sheets

(unstyled)

---

*Cascading Style Sheets*

```
font-style: italic;
```

## MARGIN PROPERTY

Cascading Style Sheets  
Cascading Style Sheets

(default text)

---

Cascading Style Sheets  
Cascading Style Sheets

`margin: 10px;`



## PADDING PROPERTY

Cascading Style Sheets

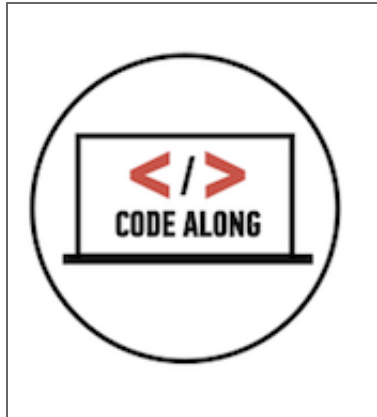
```
border: 1px solid black;
```

---

Cascading Style Sheets

```
border: 1px solid black;
```

```
padding: 10px;
```



# GENERAL ASSEMBLY PRESS RELEASE



# COOKIE RECIPE

# LEARNING OBJECTIVES - REVIEW

- Apply HTML tags to a web page.
- Describe the DOM and draw a simple DOM tree.
- Create and link an external style sheet.

# NEXT CLASS PREVIEW

## MORE HTML & CSS BASICS

- Apply tags to a web page to effectively section content
- Add images to a web page
- Differentiate between common image file formats
- Work with attributes in HTML tags
- Implement colors in a style sheet using keywords, hex codes, RGB(A), and HSL(A)

# EXIT TICKETS!

# HOMEWORK

- Finish your cookie recipe page
- Start creating a resume website