YOU + A NEIGHBOR

HELLO!

NAME,

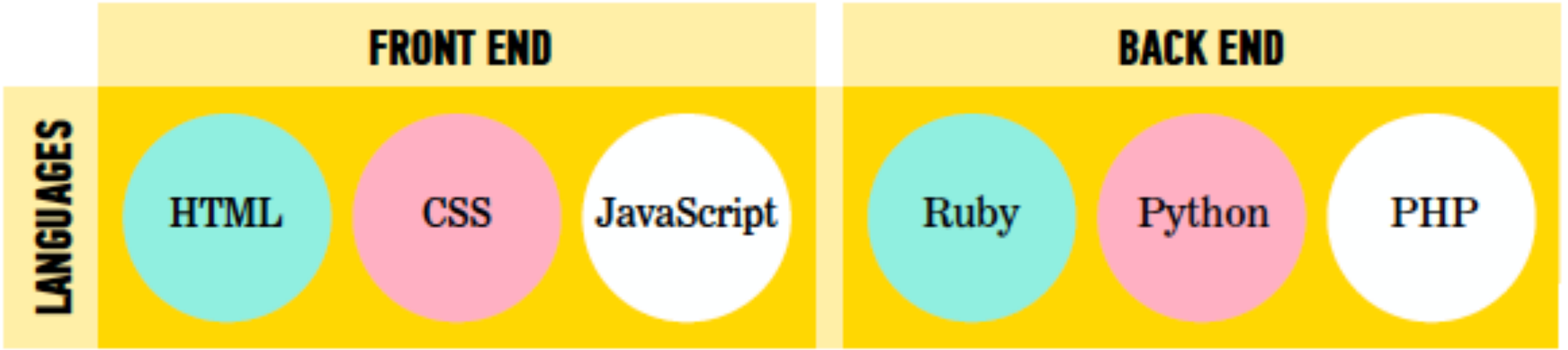
WHAT SCHOOL YOU GO TO,

WHAT INSPIRED YOU TO TAKE THE CLASS,

ONE INTERESTING THING SOMEONE MAY NOT KNOW ABOUT YOU.

LET’S GET STARTED!

FRONT END VS BACK END



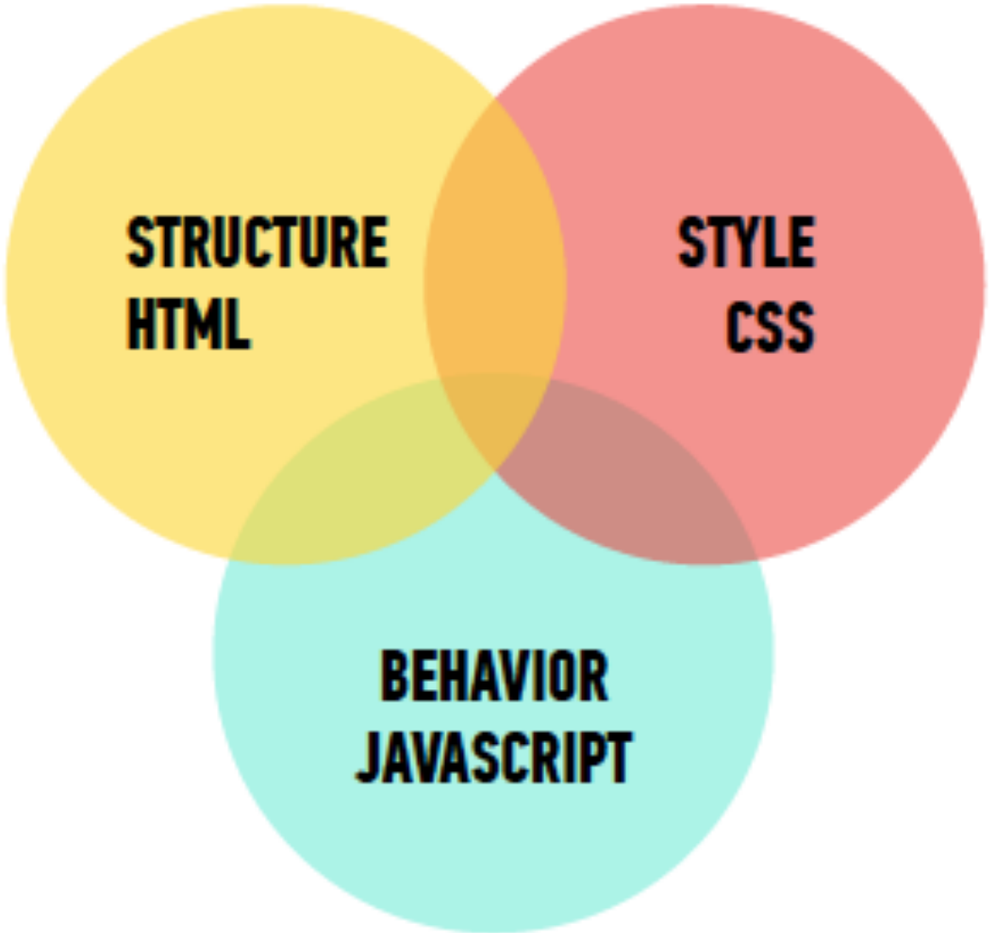
…and many, many more

HTML CSS JAVASCRIPT

EVERYTHING THAT YOU SEE AND INTERACT WITH WHEN USING THE WEB IS HTML, CSS, AND JAVASCRIPT.

THE THREE AMIGOS

- HTML = Noun
- CSS = Adjective
- Javascript = Verb



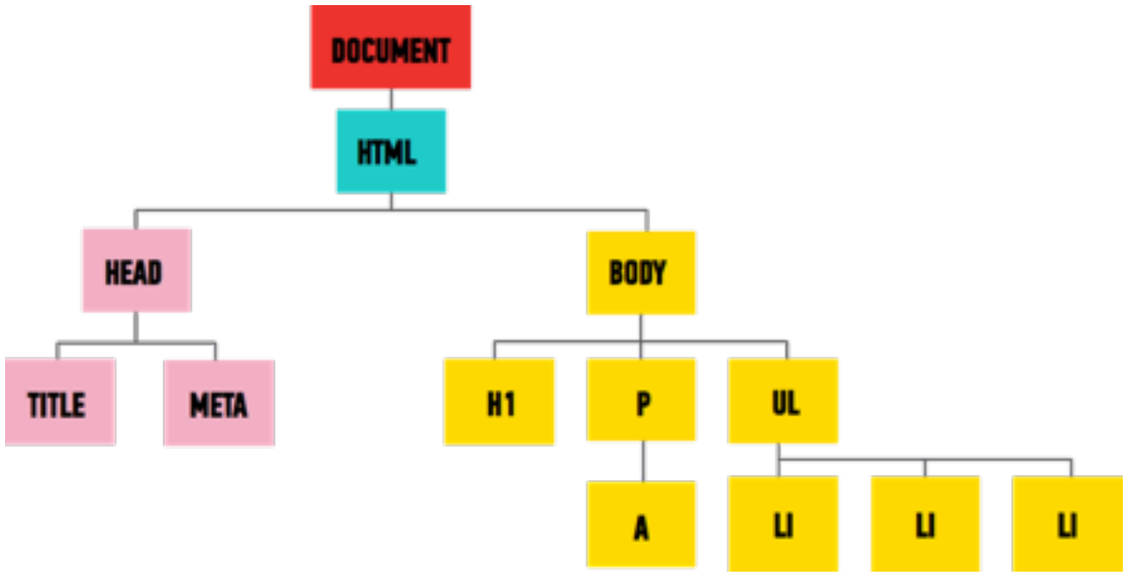
INTRO TO HTML

HTML

What is HTML?

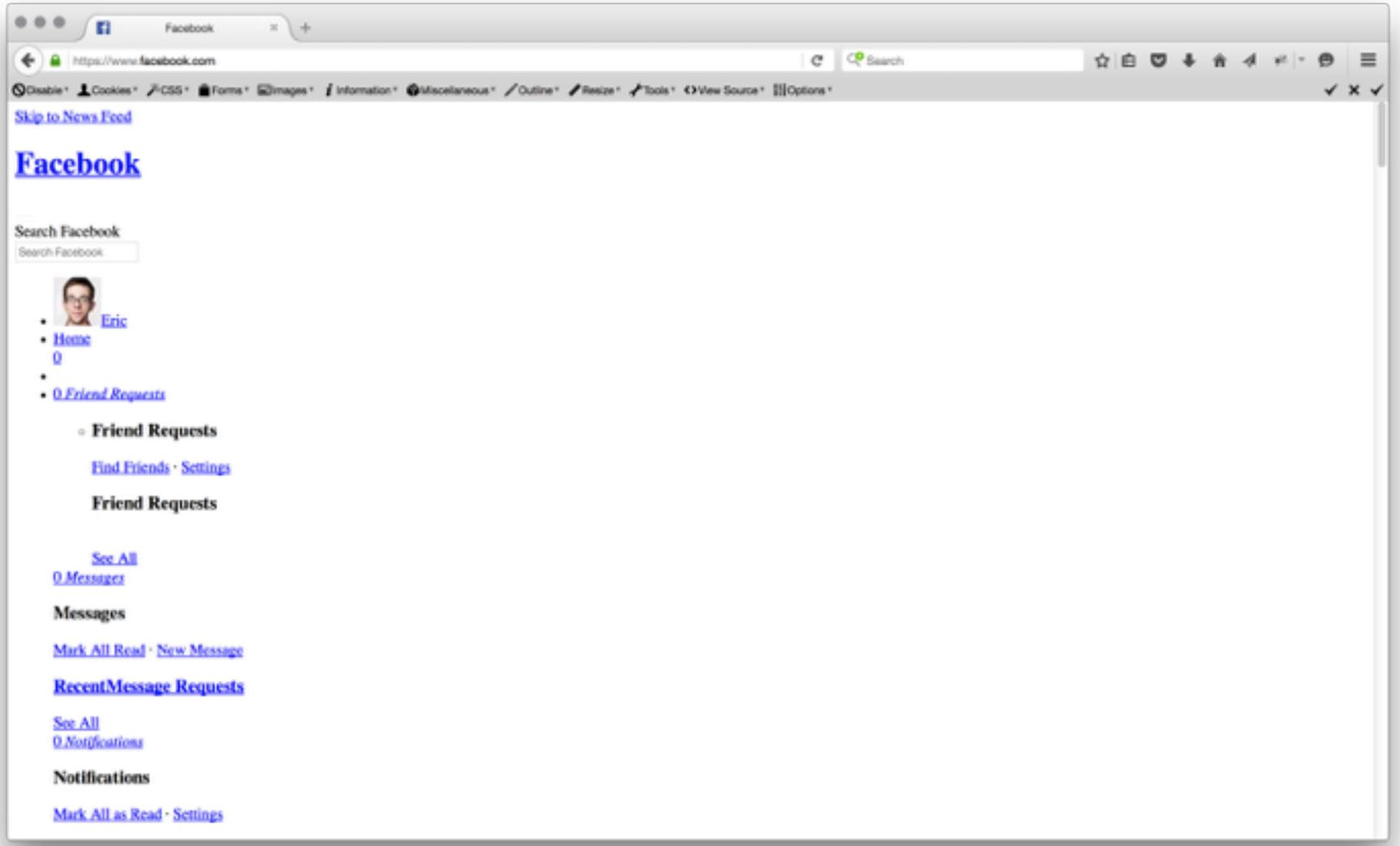
- HyperText Markup Language
- Describes the structure of a webpage
- The bones of the website

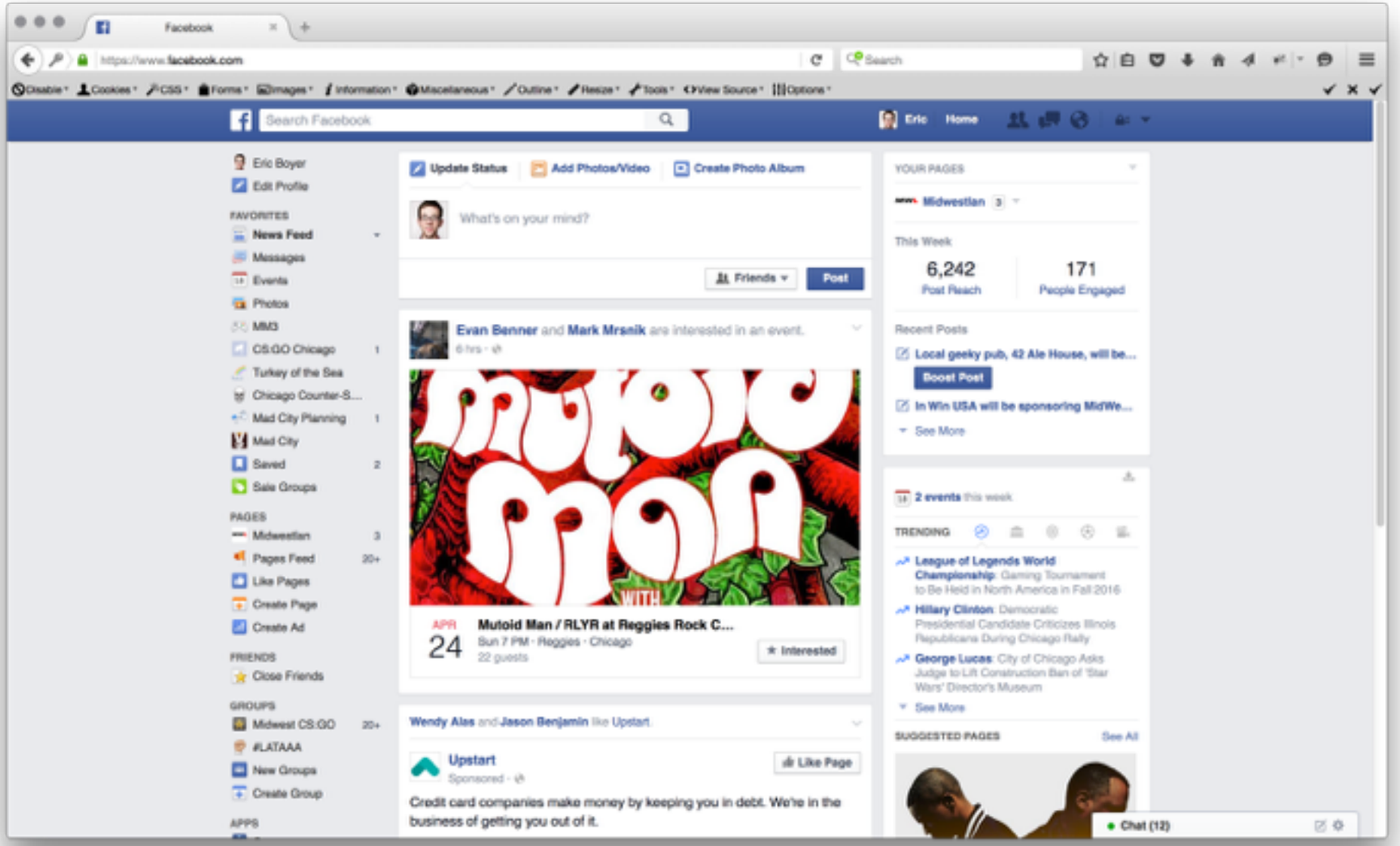
HTML STRUCTURE

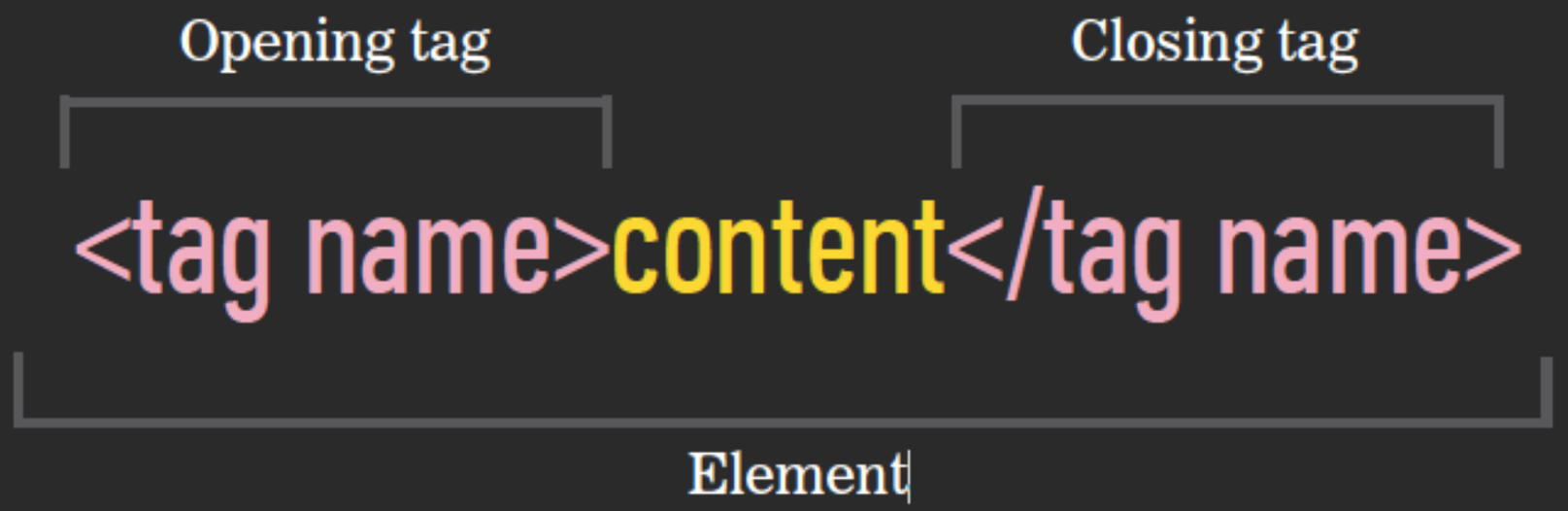


index.html

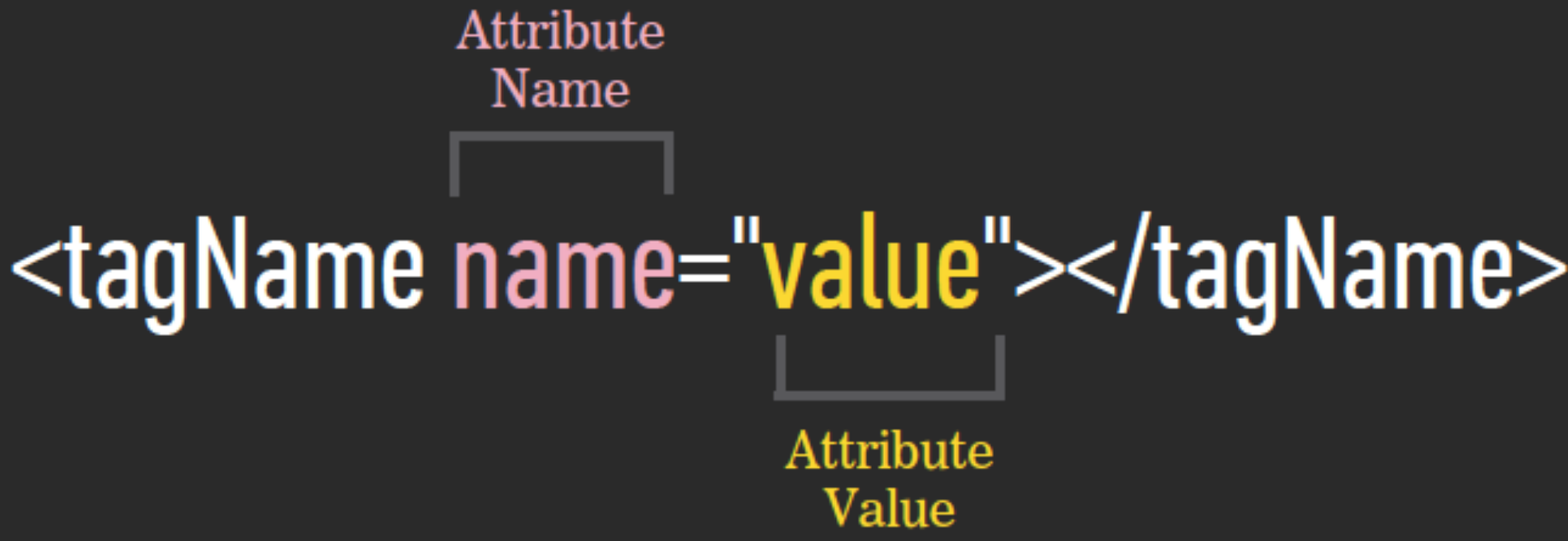
```
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8">
5      <title>Document</title>
6    </head>
7    <body>
8
9      <h1>Site title</h1>
10     <p>Bacon ipsum dolor amet brisket tail
       frankfurter cupim pig salami. Fatback
       porchetta strip steak doner chicken <a href="
       http://www.jamieoliver.com/recipes/pork-recipes
       /pork-belly-roast/">pork belly</a></p>
11     <ul>
12       <li>Bacon</li>
13       <li>Chicken</li>
14       <li>Meatloaf</li>
15     </ul>
16
17   </body>
18 </html>
```


Facebook
https://www.facebook.com
Search
Disable
Cookies
CSS
Forms
Images
Information
Miscellaneous
Outline
Resize
Tools
View Source
Options
Skip to News Feed
Facebook
Search Facebook
Search Facebook
Eric
Home
0
0 Friend Requests
Friend Requests
Find Friends · Settings
Friend Requests
See All
0 Messages
Messages
Mark All Read · New Message
RecentMessage Requests
See All
0 Notifications
Notifications
Mark All as Read · Settings


Facebook
https://www.facebook.com
Search Facebook
Eric
Home
Eric Boyer
Edit Profile
FAVORITES
News Feed
Messages
Events
Photos
MM3
CS:GO Chicago
Turkey of the Sea
Chicago Counter-S...
Mad City Planning
Mad City
Saved
Sale Groups
PAGES
Midwestlan
Pages Feed
Like Pages
Create Page
Create Ad
FRIENDS
Close Friends
GROUPS
Midwest CS:GO
#LATAAA
New Groups
Create Group
APPS
Update Status
Add Photos/Video
Create Photo Album
What's on your mind?
Friends
Post
Evan Benner and Mark Mrsnik are interested in an event.
6 hrs
Mutoid Man
WITH
APR
24
Mutoid Man / RLYR at Reggies Rock C...
Sun 7 PM · Reggies · Chicago
22 guests
Interested
Wendy Alas and Jason Benjamin like Upstart
Upstart
Sponsored
Like Page
Credit card companies make money by keeping you in debt. We're in the business of getting you out of it.
YOUR PAGES
Midwestlan
This Week
6,242
Post Reach
171
People Engaged
Recent Posts
Local geeky pub, 42 Ale House, will be...
Boost Post
In Win USA will be sponsoring MidWe...
See More
2 events this week
TRENDING
League of Legends World Championship: Gaming Tournament to Be Held in North America in Fall 2016
Hillary Clinton: Democratic Presidential Candidate Criticizes Illinois Republicans During Chicago Rally
George Lucas: City of Chicago Asks Judge to Lift Construction Ban of 'Star Wars' Director's Museum
See More
SUGGESTED PAGES
See All
Chat (12)


Opening tag
Closing tag
<tag name>content</tag name>
Element

LINKS


Attribute
Name
<tagName name="value"></tagName>
Attribute
Value

- **Specify which page you want to link using the href attribute.**
- **Users can click on anything between the opening and closing <a> tags.**

IMAGES

The src attribute tells the browser where it can find an image.

Path to the image file

```
<img src="images/camera.jpg" alt="Girl holding a camera" />
```

The alt attribute provides a text description of the image that:

- Replaces the image if it doesn't load
- Is used by screen readers

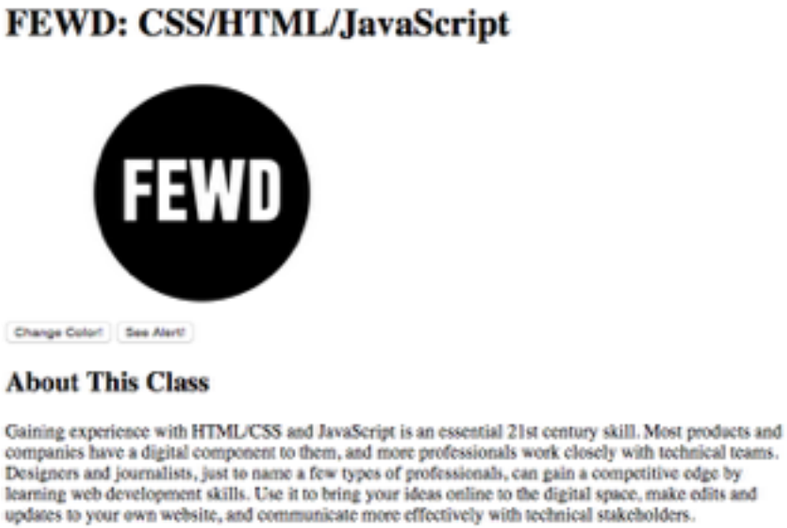
Text description

```
<img src="images/camera.jpg" alt="Girl holding a camera" />
```

INTRO TO CSS

WHAT IS CSS?

- CSS is what handles the presentation layer of our webpage.
- CSS allows us to associate style rules with HTML elements.



plain ol' HTML

HTML + CSS

WHAT IS CSS?

- **CSS associates style rules with HTML elements**

```
body {
font-family: Arial;
color: white;
background-color: blue;
}
```

Selector

```
h1 { color: yellow; }
```

Declaration

```
h1, h2 {
        color: yellow;
        font-size: 16px;
}
```

Property

Value

CLASSES AND IDS

CLASSES

- Classes are used to group elements together
- Elements can have multiple classes

```
<li class="emphasis">Content</li>
```

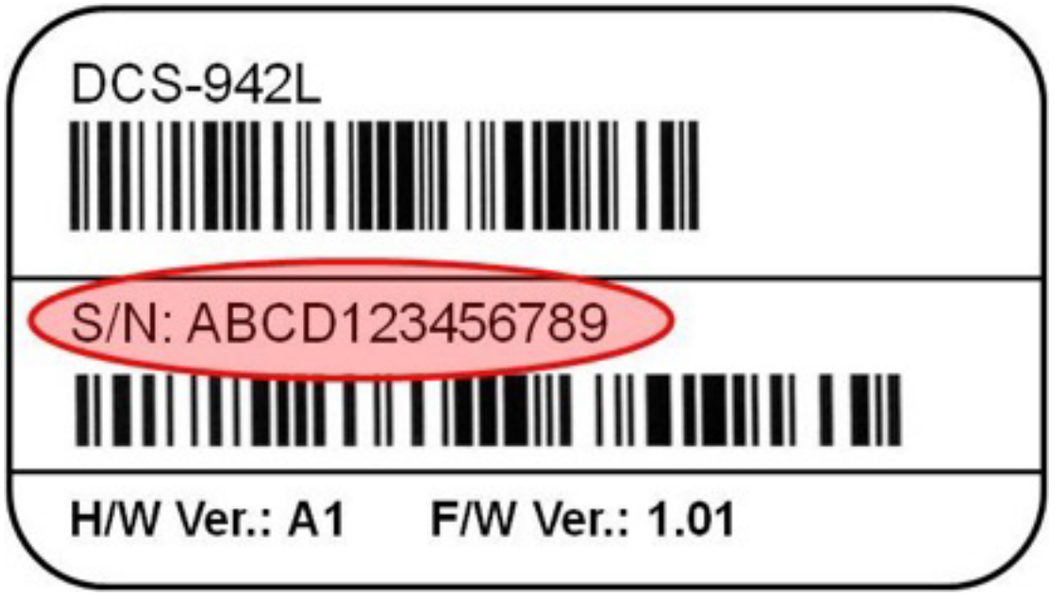
```
.emphasis {
  color: #ff0000;
}
```

IDS

- Ids are used to target one specific element
- Each element can only have one id
- Important: two elements on the same page cannot have the same id

```
<h3 id="about">Content</h3>
```

```
#about {
  color: #ff0000;
}
```



INTRO TO JS

WHAT IS JAVASCRIPT

- **Javascript defines how content behaves**
- **Interactions and animations**
- **Heavily used in single-page web apps**

```
var color = prompt(“What is your favorite color?”);
document.getElementsByTagName('h1')[0].innerHTML = color
```

WHAT JAVASCRIPT CAN DO!

1. Access Content
2. Modify Content
3. Program Rules
4. React to Events

jQuery

JQUERY

What is jQuery?

- Javascript library
  - Code written by other developers that we can use in our code
- Makes it a little easier to write Javascript

USING JQUERY TO MANIPULATE THE DOM

1

Select an element/elements

2

Work with those elements

JQUERY — SELECTING ELEMENTS

jQuery Function:

- Lets us find one or more elements in the page
- Creates a *jQuery object* which holds references to those elements
- We'll be using the shorthand in this class: $( )
- $(selector) is the same as jQuery(selector)

USING JQUERY TO MANIPULATE THE DOM

1

Select an element/elements

2

Work with those elements

JQUERY — WORKING WITH THOSE ELEMENTS

JQUERY METHODS

Be forewarned!

There are a lot of methods!

Do not feel like you need to sit down and memorize these. The important things is knowing that they're there and **being able to look them up** in the documentation.

See the jQuery docs for list!

JS DATA TYPES

DATA TYPES:

STRINGS

```
"Today is Monday"
```

Letters and other characters enclosed in quotes

NUMBERS

```
10
22.75
```

- Positive numbers
- Negative numbers
- Decimals

BOOLEANS

```
true
false
```

Can have one of two values:

- True
- False

CONDITIONALS

JAVASCRIPT — COMPARISON OPERATORS

`>=`	Greater than or equal to	`===`	Equal to
`<=`	Less than or equal to	`!==`	Not equal to
`>`	Greater than		
`<`	Less than		

ASSIGNMENT VS. COMPARISON — DON'T GET THEM CONFUSED!

ASSIGNMENT

```
var number = 7;
```

COMPARISON

or


```
if (number === 8) {
  // Do something
}
```

JAVASCRIPT — IF/ELSE IF/ELSE

```
if (answer === 38) {
    // Do something if first condition is true
} else if (answer === 30) {
    // Do something second condition is true
} else {
    // Do something if all above conditions are false
}
```

Projects