

# HTML & CSS BASICS: HANDS-ON CODING

Eric Boyer, Product Designer (Sprout Social)

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**HELLO!**

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**ERIC BOYER, PRODUCT DESIGNER**

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**HELLO!**

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**YOU?**

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# WHAT DO WE HOPE TO WALK AWAY WITH?

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## **AGENDA**

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- Front-End Web Development Overview
- Basic Terminology and concepts
- Tools
- Continued Education
- A few tips!

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# WHY WEB DEVELOPMENT?

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## WHY?

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Make ideas come to life

Opportunities

Communication

Customize Websites

Help Others

Jobs

Leads to other tech related interests

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## WHY?

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*“I think everybody in this country should learn how to program a computer because it teaches you how to think.” — Steve Jobs*



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# BASIC TERMINOLOGY + CONCEPTS

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## BASIC TERMINOLOGY + CONCEPTS

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**CLIENT** vs. **SERVER**

THE INTERNET!

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## **BASIC TERMINOLOGY + CONCEPTS**

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**IP ADDRESS**

INTERNET PROTOCOL ADDRESS

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## **BASIC TERMINOLOGY + CONCEPTS**

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### **DNS SERVER**

#### **DOMAIN NAME SYSTEM**

**A DNS NAME SERVER IS A SERVER THAT STORES THE  
DNS RECORDS FOR A DOMAIN NAME**

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## BASIC TERMINOLOGY + CONCEPTS

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**CLIENT – “HEY, I NEED DIRECTIONS TO WWW.FACEBOOK.COM”**

**DNS SERVER – “OH, SURE BUD. WWW.FACEBOOK.COM MAPS TO 31.13.71.14”**

**SERVER (31.13.71.13) – “A LITTLE HAM AND EGGS COMIN’ AT YA”**

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## BASIC TERMINOLOGY + CONCEPTS

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**CDN**

CONTENT DELIVERY NETWORK

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## **BASIC TERMINOLOGY + CONCEPTS**

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### **HOW CAN YOU DO THIS?**

DOMAIN NAME (GANDI.NET, NAME.COM)

HOSTING (NAME.COM, WEBFACTION.COM)

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# HTML / CSS / JAVASCRIPT



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

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## HTML / CSS / JAVASCRIPT

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HTML (NOUN)

`<P>HI</P>`

MEANS 'PARAGRAPH'

CSS (ADJECTIVE)

`P { COLOR: #FFF; }`

MEANS 'PARAGRAPH IS WHITE'

JAVASCRIPT (VERB)

`$("#P").ON("CLICK", FUNCTION(){ $(THIS).HIDE(); });`

MEANS "CLICKING ON THE PARAGRAPH HIDES IT"

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## BASIC TERMINOLOGY + CONCEPTS

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# HTML

## HYPertext MARKUP LANGUAGE (STRUCTURE, BUILDING BLOCKS, NOUN)

```
1 ✓ <div>
2   <h1>Lunch</h1>
3   <p>We've got some great lunch options for you.</p>
4 ✓ <ul>
5     <li>Taco</li>
6     <li>Burrito</li>
7     <li>Tostada</li>
8   </ul>
9 </div>
```

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## BASIC TERMINOLOGY + CONCEPTS

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```
1  <style>
2  .menu .menu-header {
3    margin: 0 0 10px 0;
4    font-size: 20px;
5    color: salmon;
6  }
7  .menu .menu-content {
8    font-size: 14px;
9    color: black;
10 }
11 </style>
12 <div class="menu">
13   <h1 class="menu-header">Lunch</h1>
14   <p class="menu-content">We've got some great lunch options for you.</p>
15   <ul class="menu-items">
16     <li>Taco</li>
17     <li>Burrito</li>
18     <li>Tostada</li>
19   </ul>
20 </div>
```

CSS

CASCADING STYLE SHEETS  
(STYLE, ADJECTIVE)

# BASIC TERMINOLOGY + CONCEPTS

```
1  <style>
2  ✓ .menu .menu-header {
3    margin: 0 0 10px 0;
4    font-size: 20px;
5    color: salmon;
6  }
7  ✓ .menu .menu-content {
8    font-size: 14px;
9    color: black;
10 }
11 </style>
12 ✓ <script>
13   $(".js-menu-item").on("click", function(){
14     $(this).remove();
15   });
16 </script>
17 ✓ <div class="menu">
18   <h1 class="menu-header">Lunch</h1>
19   <p class="menu-content">We've got some great lunch options for you.</p>
20 ✓   <ul class="menu-items">
21     <li class="menu-item js-menu-item">Taco</li>
22     <li class="menu-item js-menu-item">Burrito</li>
23     <li class="menu-item js-menu-item">Tostada</li>
24   </ul>
25 </div>
```

**JAVASCRIPT**  
(BEHAVIOR, VERB)

### CHALLENGES

**DEVICE RESOLUTIONS** (RETINA, 4K, LOW RESOLUTIONS)

**DEVICE SIZES** (PHONE, TABLET, DESKTOP)

**BROWSERS** (FIREFOX, CHROME, SAFARI,  
INTERNET EXPLORER 7, 8, 9, MICROSOFT EDGE)

**PERFORMANCE**

# WHAT DO WE NEED TO GET STARTED?

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## WHAT DO WE NEED TO GET STARTED?

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## MAKING OUR FIRST WEB PAGE

- Browser
- Text editor



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## WHAT DO WE NEED TO GET STARTED?

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# MAKING YOUR LIFE EASY

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## **MAKING YOUR LIFE EASY**

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### **FRAMEWORKS, LIBRARIES, PLUGINS, PLATFORMS**

- normalize.css
- Bootstrap
- Foundation
- Content Management Systems (Wordpress, Tumblr, Shopify)

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**MAKING YOUR LIFE EASY**

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## **VERSION CONTROL (GIT)**

*Source:*

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**MAKING YOUR LIFE EASY**

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# CONTINUED EDUCATION

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## CONTINUED EDUCATION

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### ONLINE RESOURCES

- [w3schools.com](https://www.w3schools.com)
- [learn.shayhowe.com/html-css](https://learn.shayhowe.com/html-css)
- [stackoverflow.com](https://stackoverflow.com)
- [code.tutsplus.com](https://code.tutsplus.com)
- [teamtreehouse.com](https://teamtreehouse.com)
  
- [designernews.co](https://designernews.co)
- [dribbble.com](https://dribbble.com)

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## CONTINUED EDUCATION

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### GENERAL ASSEMBLY, FRONT-END-WEB-DEVELOPMENT

- **Aug 17 - Oct 28**
- *Mon & Wed (6pm - 9pm)*
- *Sarah Holden & Jeff Belser*
  
- **Sep 19 - Nov 21**
- *Sat (10am - 5pm)*
- *Matt Soria*



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## HTML & CSS BASICS: HANDS-ON CODING

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# Q&A

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**THANKS!**

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<http://eboyer.io/talks/html-css-basics-hands-on-coding>