WHAT IS FRONT-END WEB DEVELOPMENT?

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HELLO!

ERIC BOYER, PRODUCT DESIGNER

HELLO!

YOU?

WHAT DO WE HOPE TO WALK AWAY WITH?

AGENDA

‣ Front-End Web Development Overview

‣ Basic Terminology and concepts

‣ Tools

‣ Continued Education

‣ A few tips!

WHY WEB DEVELOPMENT?

WHY?

Make ideas come to life

Opportunities

Communication

Customize Websites

Help Others

Jobs

Leads to other tech related interests

WHY?

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

BASIC TERMINOLOGY + CONCEPTS

CLIENT vs. SERVER

THE INTERNET!

IP ADDRESS

INTERNET PROTOCOL ADDRESS

DNS SERVER

DOMAIN NAME SYSTEM

A DNS NAME SERVER IS A SERVER THAT STORES THE

DNS RECORDS FOR A DOMAIN NAME

BASIC TERMINOLOGY + CONCEPTS

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"

CDN

CONTENT DELIVERY NETWORK

HOW CAN YOU DO THIS?

DOMAIN NAME (GANDI.NET, NAME.COM)

HOSTING (NAME.COM, WEBFACTION.COM)

HTML / CSS / JAVASCRIPT

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

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"

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>
```

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  <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?

MAKING OUR FIRST WEB PAGE

‣ Browser
‣ Text editor

Source:

WHAT DO WE NEED TO GET STARTED?

</>

MAKING YOUR LIFE EASY

FRAMEWORKS, LIBRARIES, PLUGINS, PLATFORMS

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

Source:

VERSION CONTROL (GIT)

</>

CONTINUED EDUCATION

ONLINE RESOURCES

‣ learn.shayhowe.com/html-css
‣ stackoverflow.com
‣ code.tutsplus.com
‣ teamtreehouse.com

‣ designernews.co
‣ dribbble.com

Source:

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*

Source:

Q&A

THANKS!

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http://eboyer.io/talks/what-is-front-end-development.pdf