

FRONT-END WEB

Insert Instructor Name

Title Company

DEVELOPME

**INSERT INSTRUCTOR
NAME**

TITLE, COMPANY
▸ Insert Educational, Professional
Credentials, Highlights, or Bio

COURSE INFORMATION

- Class Structure
- Final Project
- Grading Policy

TOPICS

- What is Web Development
- How the Internet Works
- HTML Basics

WHAT IS WEB

- Instructors enter your definition here.

WEB DEVELOPMENT

Front-end (client-side)

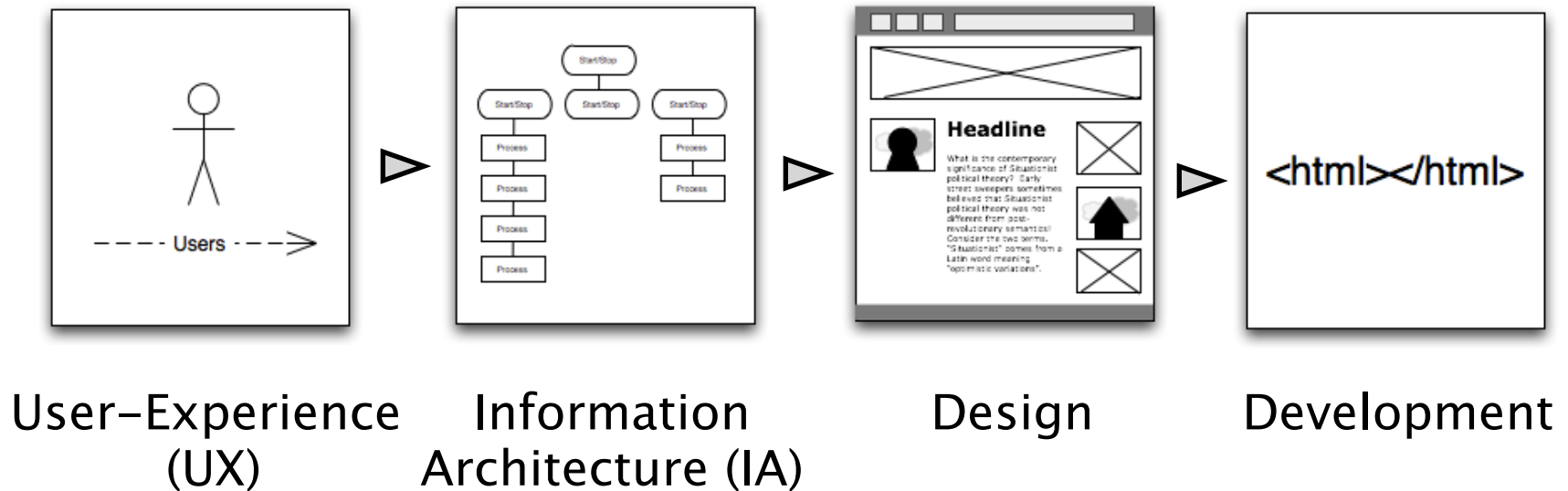
- HTML
- CSS
- JavaScript

Back end (server-side)

- Ruby
- PHP
- Python
- PERL
- C++

LESSON 1: INTRODUCTION TO WEB DEVELOPMENT 7

A TYPICAL WEB DEVELOPMENT CYCLE



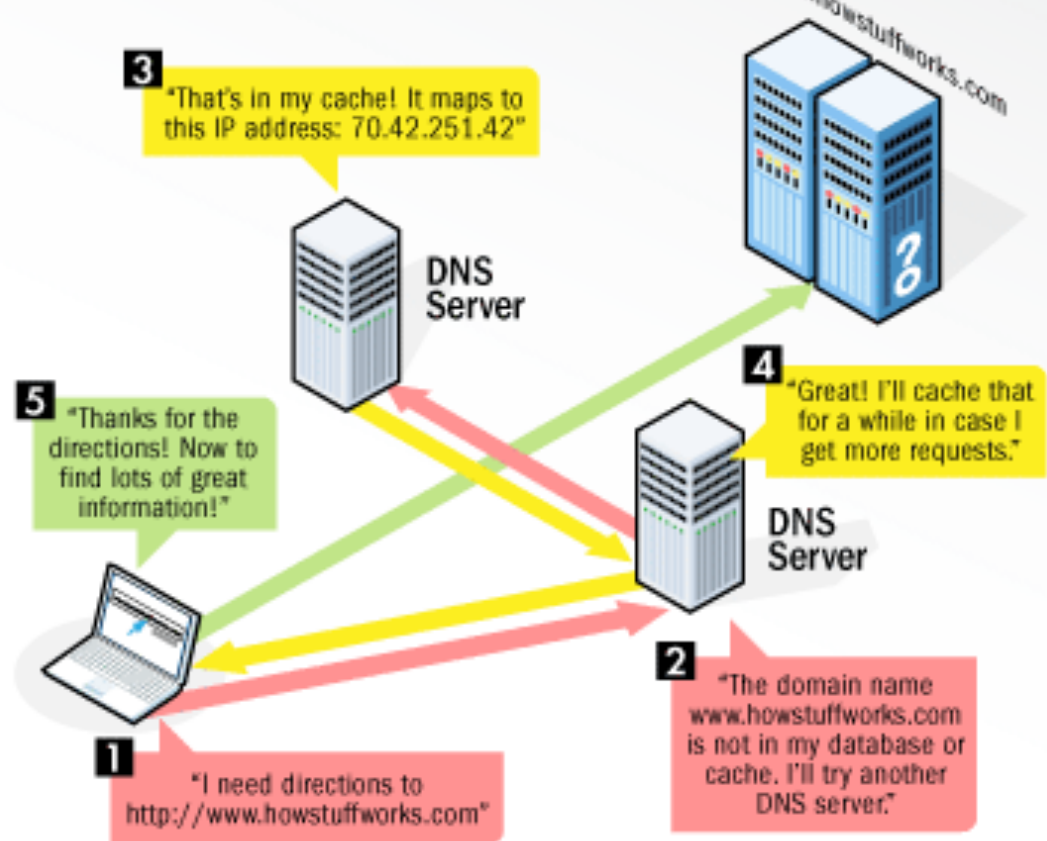
Front End + Ruby on Rails

GENERAL ASSEMBLY

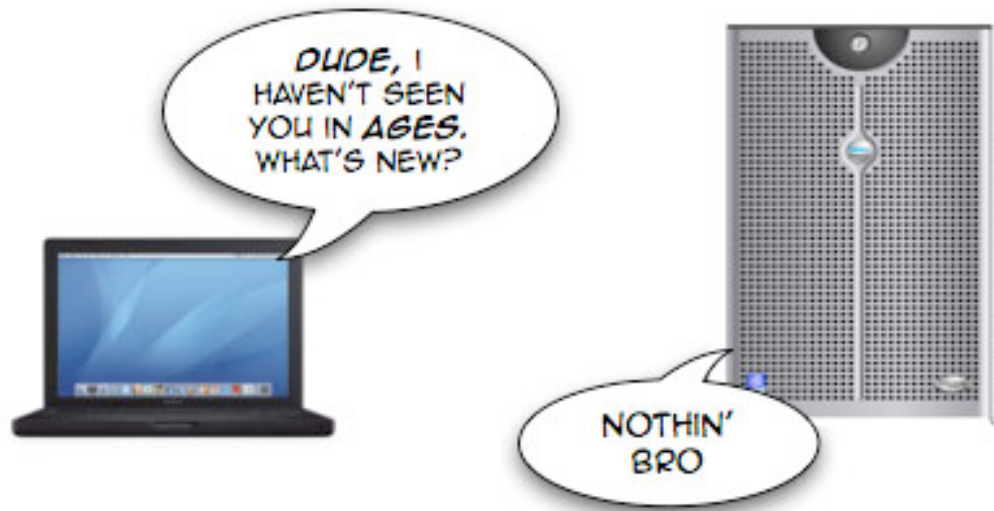
HOW THE WEB WORKS

- Request/Response
- Rendering in the browser
- Local / Remote
- Front-end / Back-end Development

REQUEST / RESPONSE



CONVERSATION:



RENDERING IN THE

- Each browser has its own rendering engine to interpret and display the markup



- Rendering in the Browser

```
<!DOCTYPE html>
<!-- paulirish.com/2008/conditional-stylesheets-vs-css-hacks-answer-neither/ -->
<!--[if lt IE 7 ]> <html lang="en" class="no-js ie6"> <![endif]-->
<!--[if IE 7 ]> <html lang="en" class="no-js ie7"> <![endif]-->
<!--[if IE 8 ]> <html lang="en" class="no-js ie8"> <![endif]-->
<!--[if IE 9 ]> <html lang="en" class="no-js ie9"> <![endif]-->
<!--[if (gt IE 9)]|!(IE)]><!--> <html lang="en" class="no-js"> <!--<![endif]-->

<head>
  <script type="text/javascript">var _sf_startpt=(new Date()).getTime();</script>
  <meta charset="utf-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1" />
  <title>Home - General Assembly</title>
  <meta name="csrf-param" content="authenticity_token" />
  <meta name="csrf-token" content="tj4TdSieuRqizetE9AdgWVncpr9RhpzVtQoX7iUN4" />

  <link href="/stylesheets/refinery/application.css?1312237764" media="screen" rel="stylesheet" type="text/css" />
  <link href="/theme/stylesheets/application.css" media="screen" rel="stylesheet" type="text/css" />
  <link href="/stylesheets/refinery/formatting.css" media="screen" rel="stylesheet" type="text/css" />
  <link href="/theme/stylesheets/formatting.css" media="screen" rel="stylesheet" type="text/css" />
  <link href="/stylesheets/refinery/theme.css" media="screen" rel="stylesheet" type="text/css" />
  <link href="/theme/stylesheets/theme.css" media="screen" rel="stylesheet" type="text/css" />
  <link href="/theme/stylesheets/home.css?1312229981" media="screen" rel="stylesheet" type="text/css" />
  <link href="/theme/stylesheets/jquery.scrollpane.css" media="screen" rel="stylesheet" type="text/css" />

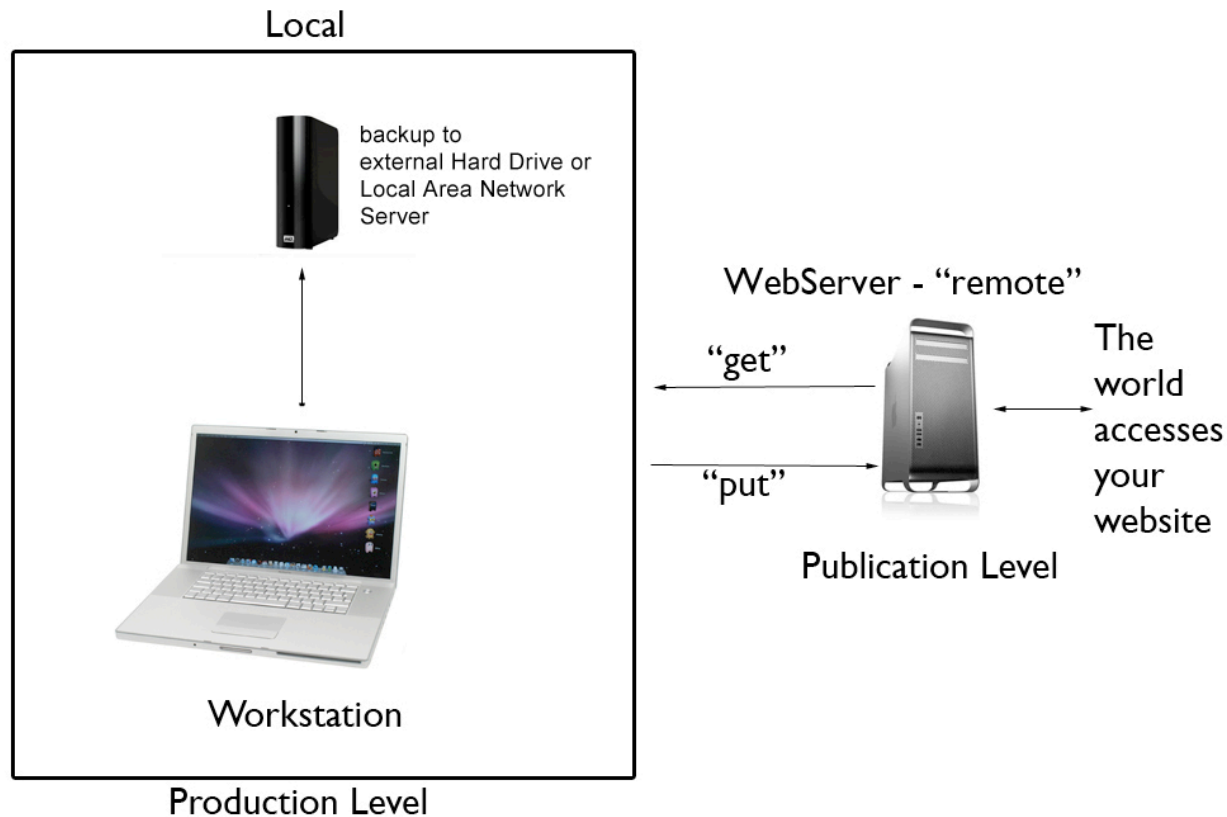
  <link rel="icon" type="image/gif" href="/images/GA_favicon.gif">

  <script src="/javascripts/jquery.js?1321653481" type="text/javascript"></script>
  <script src="/javascripts/jquery.tools.min.js?1312229981" type="text/javascript"></script>
  <script src="/javascripts/date.js?1312229981" type="text/javascript"></script>
  <script src="/javascripts/pretty.js?1312229981" type="text/javascript"></script>
  <script src="/javascripts/rails.js?1312229981" type="text/javascript"></script>
  <script src="/javascripts/application.js?1321653481" type="text/javascript"></script>
  <script src="/javascripts/bootstrap-twipsy.js?1321653481" type="text/javascript"></script>
  <script src="/javascripts/slider.js?1321653481" type="text/javascript"></script>
  <script src="/javascripts/checkbox.js?1321653481" type="text/javascript"></script>
  <script src="/javascripts/modernizr-min.js" type="text/javascript"></script>
</head>

<body>
  <div id="status_bar">
    <div class="status_message">
      <div class="login_status">
        <div>
          <li></li>
          <li class="fr">
            <a href="https://generalassemb.ly/users/signup">Member Sign In</a>
          </li>

          <li class="fr">
```

LOCAL / REMOTE



HTML BASICS

- HTML vs HTML5
- Document Structure
- Syntax
 - Content Tags
 - Element Display

HTML AND HTML5

HTML5 is HTML with a few additions

The Doctype tells you if the page is HTML5 ready.

```
<!doctype html>
```

NEW HTML5 FEATURES

HTML

- <video>
- <audio>
- <canvas>
- Geolocation
- WebSockets

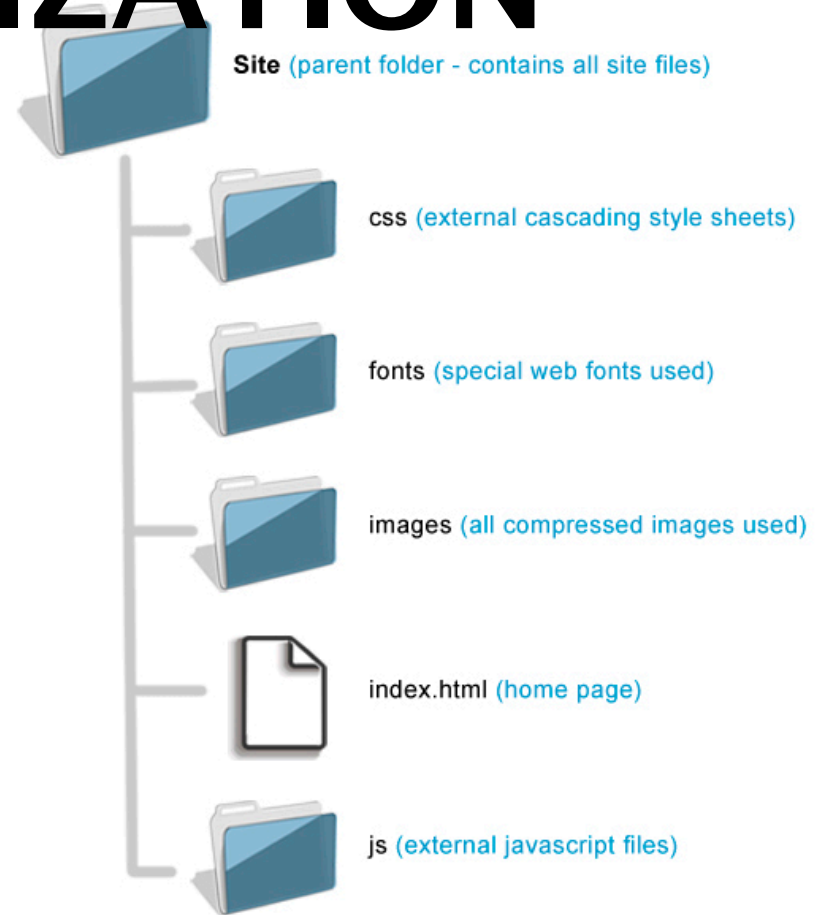


DOCUMENT STRUCTURE

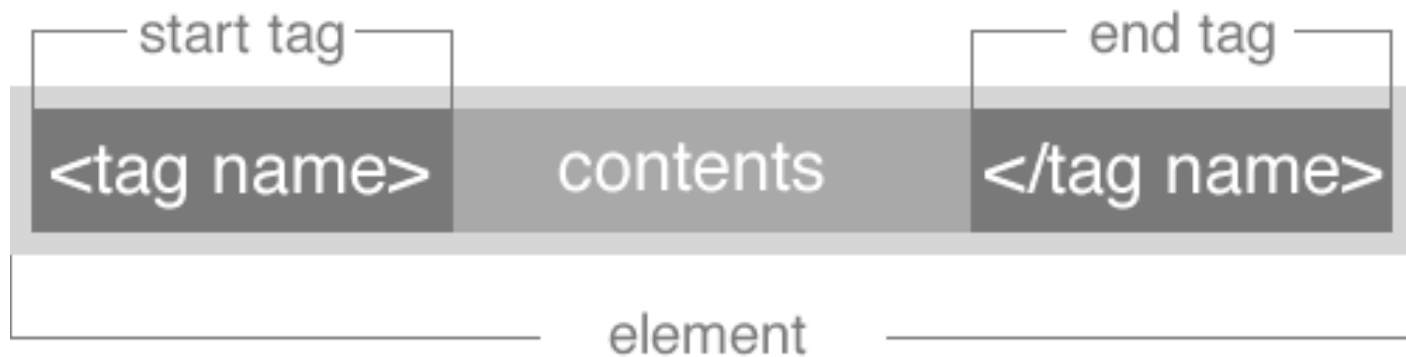
SEPARATION OF CONCERNS

- HTML = structure
- CSS = style
- JS = behavior

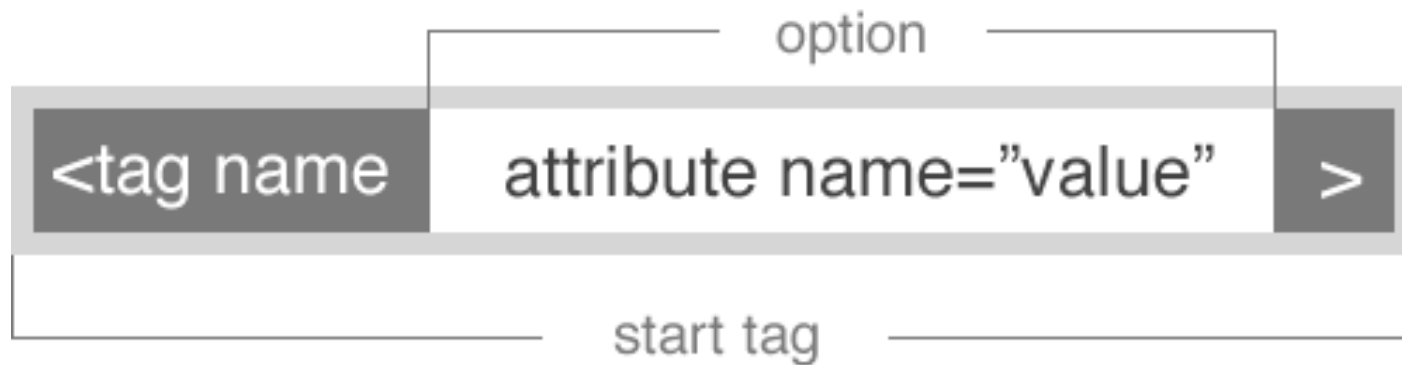
SITE ORGANIZATION



SYNTAX



SYNTAX



CODE PEN

- Go to www.codepen.io
- We will type the following code into the Code Pen.

CONTENT TAGS

Heading Elements

`<h1>Largest Heading</h1>`

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

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

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

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

`<h6>Smallest Heading</h6>`

CONTENT TAGS

Text Elements

`This text is emphasized`

`This text is strong`

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

CONTENT TAGS

Text Elements

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

`
` (line break)

`<hr>` (horizontal rule)

`<pre>This text is preformatted</pre>`

CONTENT TAGS

Unordered list

```
<ul>  
  <li>First item</li>  
  <li>Next item</li>  
</ul>
```

CONTENT TAGS

Ordered list

```
<ol>  
  <li>First item</li>  
  <li>Next item</li>  
</ol>
```

CONTENT TAGS

Definition list

`<dl>`

`<dt>First term</dt>`

`<dd>Definition</dd>`

`<dt>Next term</dt>`

`<dd>Definition</dd>`

DEPRECIATED CONTENT

Text Elements cont.

Physical Styles

`This text is bold`

`<i>This text is italic</i>`

BASIC DOCUMENT

`<html>`

`<head>`

Document metadata

`</head>`

`<body>`

Document contents

`</body>`

LESSON 1: INTRODUCTION TO WEB DEVELOPMENT 30

ICL 1.2 INTRO

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Now we're ready to build a website for our client Cookie Monster



GENERAL ASSEMBLY



INTRODUCTION TO WEB DEVELOPMENT

GENERAL ASSEMBLY