Hello!!
Log in to the following websites:

- github.com
  - (github.com/dkriegls/nextgen)
- github desktop
- notepad-plus-plus.org
- validator.w3.org
- jigsaw.w3.org/css-validator/
- developer.mozilla.org/en-US/

PROFESSOR: DANIEL KRIEGLSTEIN

- PhD: Psychology

- Behavioral Designer

- Web: Entirely Self Taught

INTRODUCTION TO THE TECHNOLOGIES

Meet the "Client Side Technologies"

- **HTML: Structure**

- **CSS: Presentation**

- **JavaScript: Behavior**

What about "Server Side" and "Backend" code?

- **Can be almost any language including but not limited to: PHP, Ruby, Python, Java, C#, Visual Basic, C, C++, Perl, JavaScript, and more…**

- **http://en.wikipedia.org/wiki/Server-side_scripting**

MARKUP LANGUAGE

All text needs to be wrapped in an opening and closing tag that tells the computer what this text is. You "mark up" the page with the mark up language.
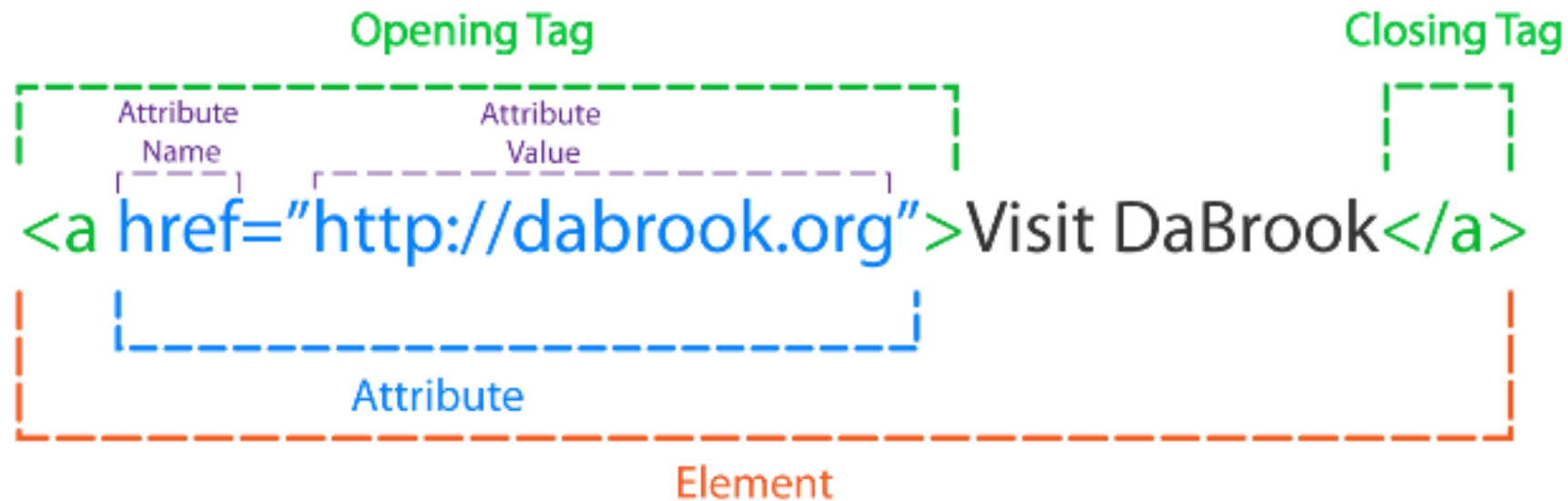
\<p\> = paragraph

So the markup = *\<p\>This is a paragraph\</p\>*

\<h1\> = a heading

So the markup = *\<h1\>This is my number 1 heading\</h1\>*

ANATOMY OF AN HTML TAG

ANATOMY OF AN HTML TAG

Google

1. The < is the OPENING angle bracket. The angle bracket tells the browser that markup is starting

2. "a" is the ELEMENT. All HTML tags are comprised of elements and attributes.

3. href="" is an ATTRIBUTE. HTML tags can have one or more attributes applied to them. Attributes follow name/value pair convention. href is the NAME, http://www.google.com is the VALUE

4. "Google" is the TEXT NODE VALUE of the html tag, this is the text a user will see

5. is the CLOSING TAG. It repeats the element with a forward slash before it

Do not use the typographic curly quotes " ", use straight " " quotes instead. Curly quotes will break your markup. Biggest culprit is not using a plain text editor or coping and pasting carelessly.

BASIC HTML5 SKELETON

```
<!DOCTYPE html>
<html>

    <head>
        <meta charset="utf-8">
        <title>Title Here</title>
    </head>

    <body>
    Page content here
    </body>

</html>
```

BASIC HTML5 SKELETON FILE

Always start here: Link

Okay, now open github and navigate to the labs

BASIC TAG OVERVIEW

The following tags are the most basic HTML tags and you should memorize them and their major attributes.

- <h1>Heading</h1> thru <h6>Heading</h6>

- <img src="imagename.jpg" alt="" >

- contact us

- <p>Here is a paragraph</p>

- <div>Here is a division or container</div>

- This is a span in a sentence.

- Strong Importance

- Emphasized text

HTML5 SEMANTIC TAGS

Some commonly used HTML5 <u>Semantic Tags</u>

Act like a div tag but give content meaning

- **<header></header>   ----   DO NOT Confuse with <head>**
- **<footer></footer>**
- **<nav></nav>**
- **<section></section>**
- **<article></article>**
- **<aside></aside>**
- **<figure></figure> & <figcaption></figcaption>**
- **Not Semantic (enacts behavior):**
  - <video></video> & <audio controls></audio>

BROWSER AND DEVELOPMENT TOOLS

Use a modern developer friendly browser to develop and test your web pages. These browsers have built-in tools for development.

- Mozilla Firefox (https://www.mozilla.org/)
  - Developer Edition
- Google Chrome (https://www.google.com/chrome)
- Apple Safari (Mac only)
- Microsoft Edge (Microsoft only)

COMMON SOFTWARE

Text Editor

- **Notepad++ (win)**
- **Textpad (win)**
- **TextWrangler (mac)**
- **Sublime Text 3 (multi)**
- **Brackets (multi)**
- **Atom (mac)**
- **Many more…**
- http://en.wikipedia.org/wiki/Comparison_of_text_editors

SFTP

- **WinSCP (win)**
- **Filezilla (multi)**
- **Cyberduck (multi)**
- **Transmit (mac)**
- **Browser Extensions**

SSH

- **Terminal (multi)**
- **PuTTY (win)**