FEWD - HTML BASICS

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Web Developer at Red Badger

AGENDA

- HTML Tags & CSS Selectors Review
- Structure Reading w/ Understanding
- Lab Time
- Git/Github

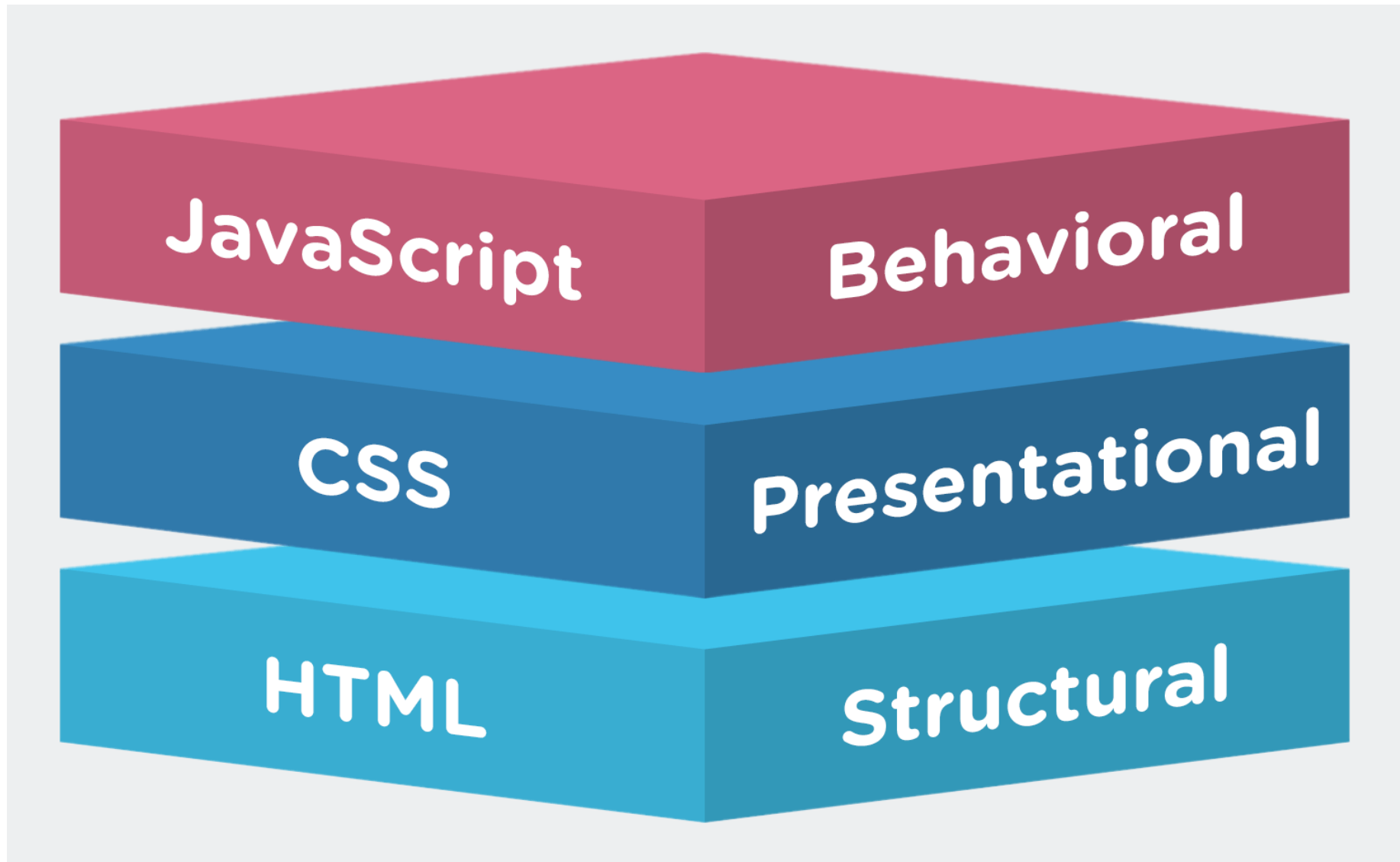# HTML TAGS & CSS SELECTORS REVIEW

HTML BASICS

HYPERTEXT MARKUP LANGUAGE

- Hypertext : Text with links in it.
- Markup : Adding structure to plain text, to add meaning.
- Language : A method of communicating with the computer. In this case, the **web browser**.

HTML BASICS

HTML VS HTML5

HTML5 is HTML with a few additions The Doctype tells you if the page is HTML5 ready.

```html
<!DOCTYPE html>
<html>
    Code and content goes here...
</html>
```

HTML5 PROVIDES MORE SEMANTIC MEANING TO THE CONTENT

HTML5's more descriptive tags allow the browser to understand better what **TYPE** of content is being displayed on the page

```
<article>
Once upon a time, Snapchat was a simple app. You took a picture, you
</article>
```

... is better than:

```
<div>
Once upon a time, Snapchat was a simple app. You took a picture, you
</div>
```
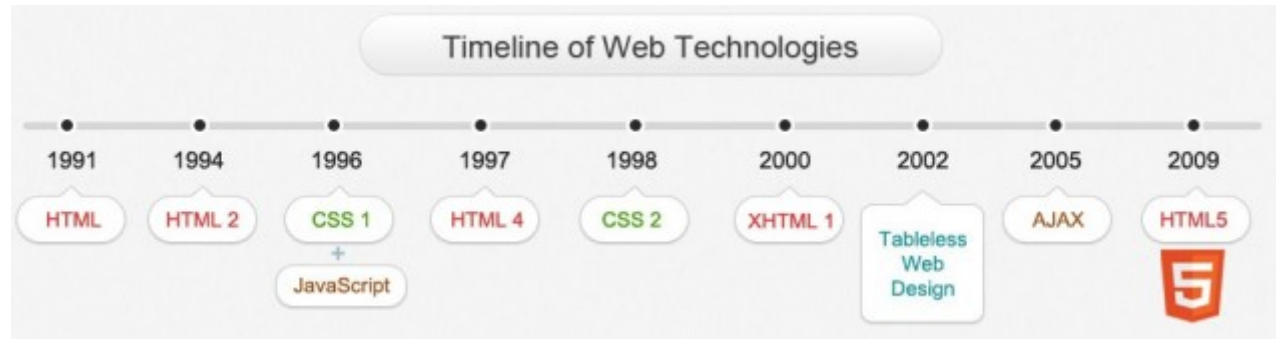
NEW HTML5 TAGS

`<article>`

`<aside>`

`<header>`

`<section>`

`<nav>`

... and more!

WEB TECH HISTORY

Timeline of Web Technologies

1991	1994	1996	1997	1998	2000	2002	2005	2009
HTML	HTML 2	CSS 1 + JavaScript	HTML 4	CSS 2	XHTML 1	Tableless Web Design	AJAX	HTML5

HTML SYNTAX - OPEN AND CLOSE


```
<p>Some text goes here</p>
```

Some text goes here

HTML SYNTAX - SOME SELF-CLOSING


```html
<img src="http://tinyurl.com/nico-puppy1" />
```
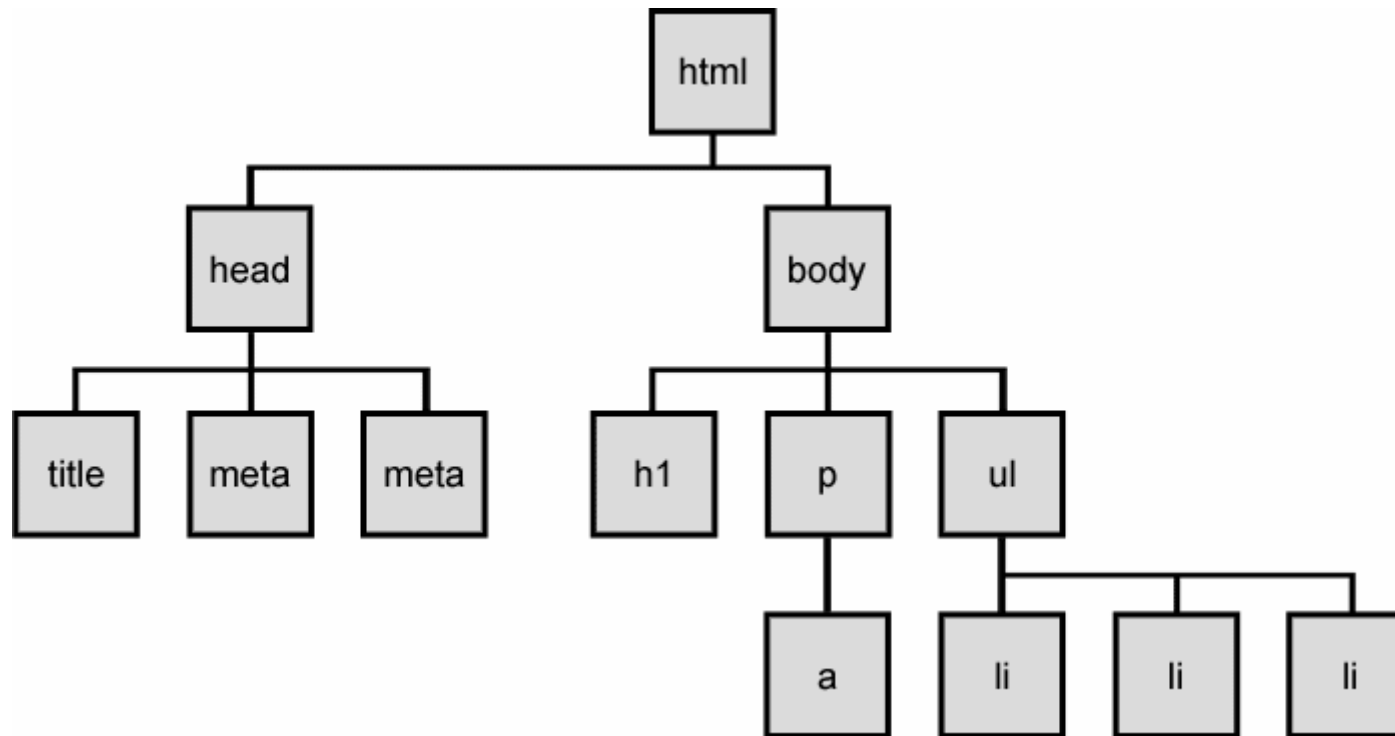
HTML SYNTAX - SOME SELF-CLOSING

```html
<img src="http://tinyurl.com/nico-puppy1" />
<hr />
<img src="http://tinyurl.com/nico-puppy2" />
```

STRUCTURE READING

DOCUMENT OBJECT MODEL (DOM)

A GIANT, UPSIDE DOWN TREE

CONTENT TAGS

Heading Elements

```
<h1>Largest Heading</h1>
```

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

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

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

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

```
<h6>Smallest Heading</h6>
```

CONTENT TAGS

Heading Elements

CONTENT TAGS

Text and Layout Elements

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

```
<article>
    <p>My article is very important. So it needs many paragraphs.</p>
    <p>You could say that the article has four paragraphs as childre
    <p>Or, you could say that these paragraphs are "wrapped" by an a
    <p>These four paragraphs have the article as it's parent.</p>
</article>
```

NESTING TAGS - WORKING TOGETHER

Unordered list

```
<ul>
</ul>
```

NESTING TAGS - WORKING TOGETHER

Unordered list item

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

NESTING TAGS - WORKING TOGETHER

Properly populated unordered list

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

- First item
- Next item

NESTING TAGS - WORKING TOGETHER

Basic HTML document

```html
<!DOCTYPE html>
<html>
    <h4>Hello World</h4>
    <p>Some text goes here.</p>
</html>
```

HELLO WORLD

Some text goes here.

CONTENT TAGS

links

```
<a href="http://www.google.com">Go to Google!</a>
```

Go to Google!

GENERAL ASSEMBLY PRESS RELEASE

ANATOMY OF AN HTML DOCUMENT

```html
<!DOCTYPE html>
<html>
    <head>
        <title>Hello World</title>
        <style>
            h4 {
                color: red;
            }
        </style>
    </head>
    <body>
        <h4>Hello World</h4>
        <p>Some text goes here.</p>
    </body>
</html>
```

HELLO WORLD

Some text goes here.

EMBRACE GDD

GOOGLE DRIVEN DEVELOPMENT

COOKIE RECIPE LAB

GIT/GITHUB

GIT/GITHUB

WHAT IS GITHUB?

To answer that we must first understand...

GIT/GITHUB

WHAT IS GIT?

A version control program that saves the state of your project's files and folders; basically, it takes a "snapshot" of what all your files look like at a moment and stores a reference to that "snapshot"
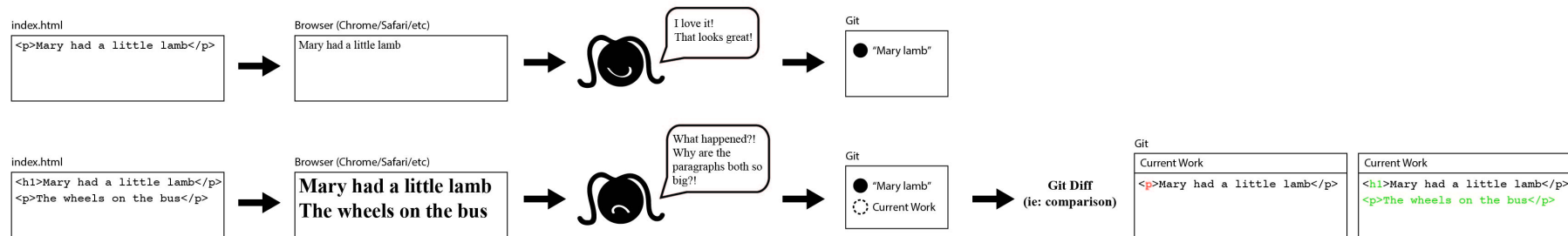
GIT/GITHUB

SO HOW DO I TAKE A "SNAPSHOT" OF THE CURRENT STATE OF MY WORK?

You write a `commit` message describing the changes made to the code.

GIT/GITHUB

RECAP - WHAT IS GIT?

A `commit` is a "snapshot" of the current state of your files.

GIT/GITHUB

SO DOES GIT KEEP TRACK OF ALL THE FILES ON MY LAPTOP?

No. Git only keeps track of the files inside a folder that's been set up to work with Git.

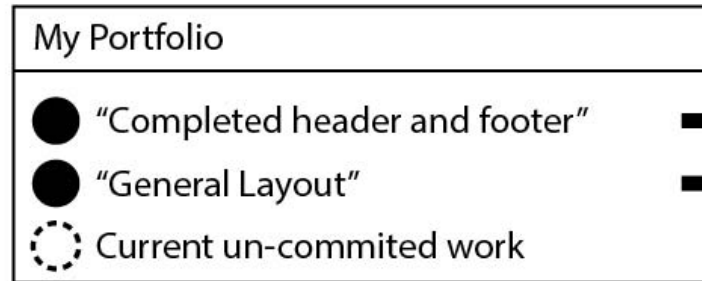This Git-friendly folder is called a **repository** (or **repo**, for short).

GIT/GITHUB

So now, back to the original question…

WHAT IS GITHUB?

GitHub is an online platform makes it easy to manage git repositories
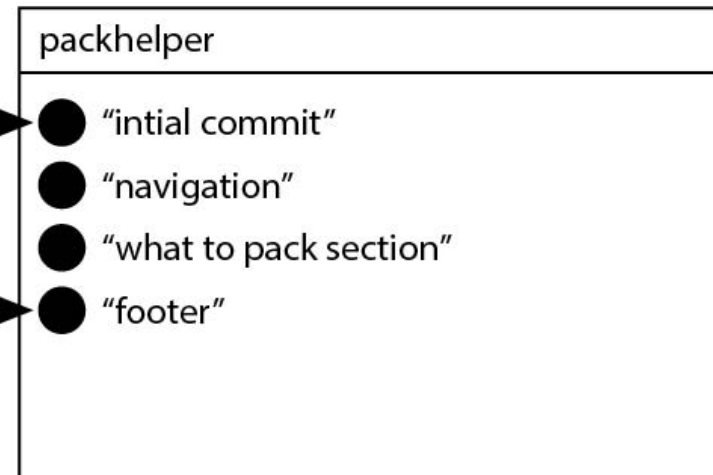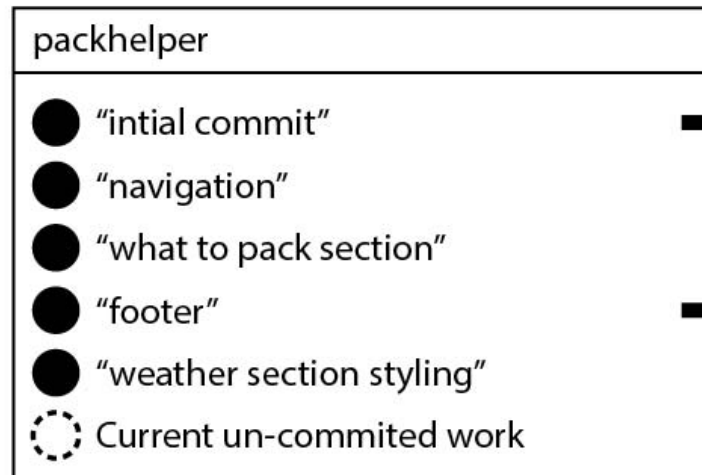
GIT/GITHUB

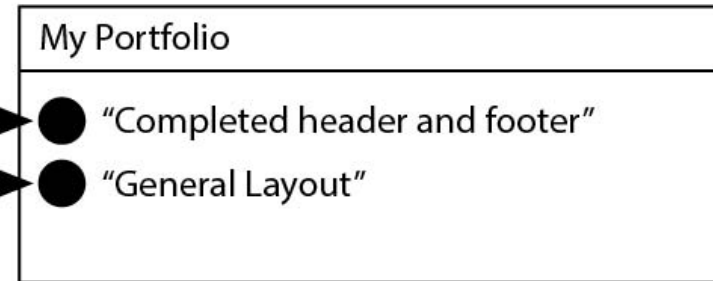Git Repos on Nico's Laptop:

Syncing/Pushing local commits to remote repo:

Git Repos on Nico's Github account:

My Portfolio

- ● "Completed header and footer"
- ● "General Layout"
- ◌ Current un-commited work

My Portfolio

- ● "Completed header and footer"
- ● "General Layout"

packhelper

- ● "intial commit"
- ● "navigation"
- ● "what to pack section"
- ● "footer"
- ● "weather section styling"
- ◌ Current un-commited work

packhelper

- ● "intial commit"
- ● "navigation"
- ● "what to pack section"
- ● "footer"

GIT/GITHUB

HOMEWORK

- Write HTML markup for Cookie Recipe - if you have time, try looking up some CSS properties and using them in between the `<style></style>`!
- To submit Cookie Recipe, zip up the folder containing all the files and post it to Slack (be sure to let me know, use `@nico` on our FEWD 35 channel or send it to me via direct message)
- Watch a video about how the Internet works: https://www.youtube.com/watch?v=7_LPdttKXPc