

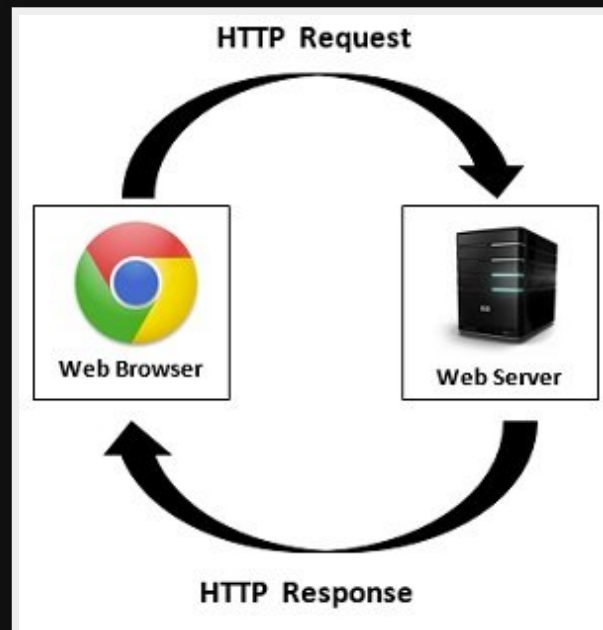
# Today

- Review
- Git
- HTML Deep Dive
- Homework 1 **Due next Tuesday**

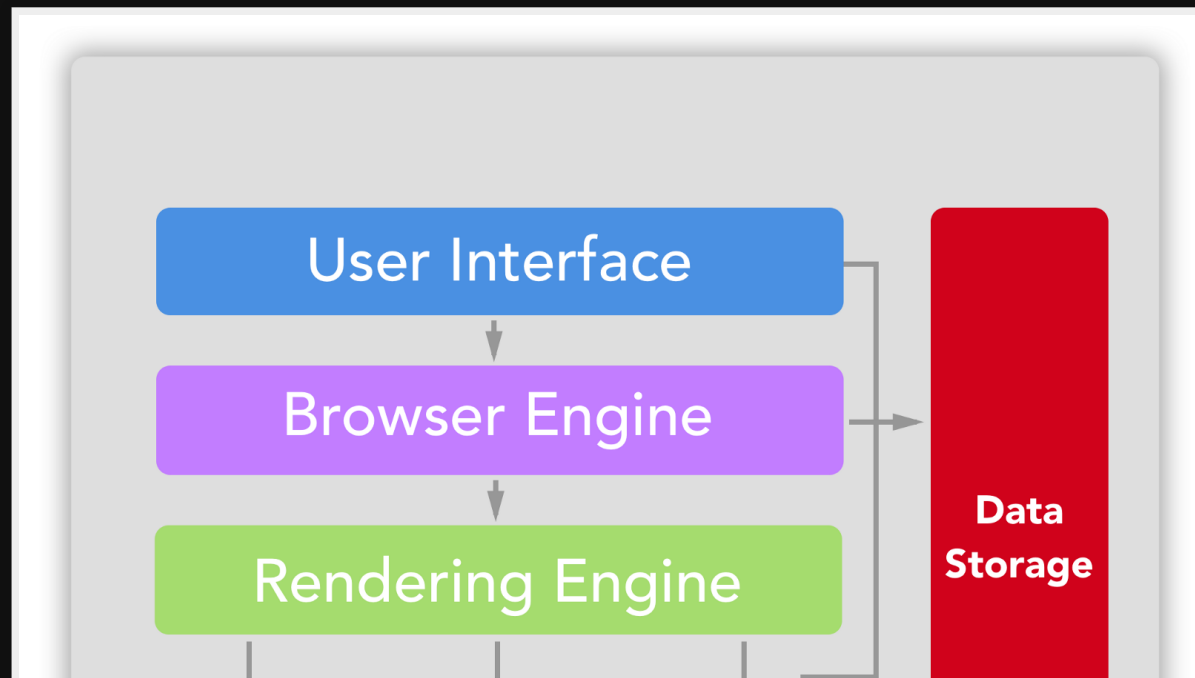
# Github

- Added a Repo
- Pushed to our Pages site

# Request - Response



# Read + Render



# HTML

Structural Semantics for text

# Tags (h1, p)

Become DOM elements

Have attributes

# Attributes

Differ by tag

Affect tag behavior

# CSS

Controls the layout, colors and fonts

```
h1 {color:red;}
```



# Adding CSS

- Inline
- Internal
- External

**HW Questions?**

# Git

Distributed Version Control System (VCS)

Track and Share files

"repo" = directory

# Basics

`git init` - initialize a repo

`git status` - edited files

`git diff` - changes in the files

`git log` - prior (committed) changes

# Make a commit

```
git status  
git add *  
git commit -m 'first commit'
```

# Publish your commit

First time, establish a destination

```
git remote add origin https://github.com/heatherm/webfr.git  
git push origin master
```

After that, it will always go to the repo you set

```
git push origin master
```

# Remotes will be setup for you if you use `git clone`

```
git clone https://github.com/heatherm/webfr.git
git remote show
git remote show origin
```

```
* remote origin
  Fetch URL: https://github.com/heatherm/web_f18.git
  Push URL: https://github.com/heatherm/web_f18.git
  HEAD branch: master
  Remote branch:
    master tracked
  Local ref configured for 'git push':
    master pushes to master (up to date)
```

# Essential HTML

## Language, Viewport, Charset

```
<!doctype html>
<html lang='en-US'>
<head>
  <meta charset='UTF-8'>
  <meta name="viewport"
    content="width=device-width, initial-scale=1.0">
  <title>descriptive and concise</title>
</head>
<body>
  <h1>Hi header ↗</h1>
  <p>Some text.</p>
</body>
</html>
```



# Language per element

```
<blockquote lang="fr">  
    Le plus grand faible des hommes  
</blockquote>
```

Note: ISO 639-1 defines abbreviations for languages.

# Viewport Example

Assumes 940px wide viewport if not specified

# Charset Example

Browser will default to encoding based on the host  
computer

# Coding Style

Tags are case insensitive, but lowercase is easiest to read for most

```
<h1>Hi header</h1>
```

# Style

Lowercase attributes names & hyphens

```
<h1 class='main-header'>Hi header</h1>
```

# Style

Lowercase attributes names, hyphens, no spaces

```
<h1 class='main-header'>Hi header</h1>
```

# Style

80 characters (max?)

```
<h1 class='main-header'>Hi header that runs on and on and on and
```

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# HTML Deep Dive

**Reset & Normalize**

# What is kbd?

MDN Docs

**Where is q getting a  
quote?**

MDN Docs

Web created in 1994

HTML 4 in 1997 - W3C says degrade gracefully

2000 - That didn't work

2007 - Let's do the best with what we have -  
WHATWG

You have the power to affect change...

Edit the q element docs

# Useful Categories

Content Types

# Images

```

```



# Headers

`<h1>Extra Large</h1>`

`<h2>Large</h2>`

`<h3>Medium</h3>`

`<h4>small</h4>`

There's also h5 and h6, but you should only ever need ~3 different sizes

# Paragraphs

<p>For the uninitiated, Starbucks's PSL is a cup of frothy milk with a hint of coffee, a tonne of sugar, pumpkin puree and a few "autumnal" spices  
chucked in.</p>

# Lists - Unordered

```
<ul>  
  <li>milk</li>          * milk  
  <li>eggs</li>          * eggs  
  <li>coffee</li>       * coffee  
</ul>
```

# Lists - Ordered

```
<ol>  
  <li>one</li>  
  <li>two</li>  
  <li>three</li>  
</ol>
```

1. one
2. two
3. three

# Links

```
<a href="https://google.com">Google</a>
<a href="tel:+18005551212">Call to reserve!</a>
<a href="skype:OurSkypeName?call">Skype Us!</a>
<a href="mailto:someone@example.com?cc=someoneelse@example.com&
      bcc=andsomeoneelse@example.com&subject=Summer%20Party&
      body=You%20are%20invited%20to%20a%20big%20summer%20party!">
  Send mail!</a>
```

# Semantic Tags

header: `<header>`

navigation bar: `<nav>`

main content (unique to the page, use once): `<main>`.

subsections: `<article>`, `<section>`

sidebar: `<aside>`; often placed inside `<main>`

footer: `<footer>`

Also text semantics

# Italic and Bold

This liquid is **highly toxic** — if you drink it, **you may *die***.

<p>This liquid is <strong>highly toxic</strong> — if  
you drink it, <strong>you may <em>die</em>  
</strong>.</p>

**<b>, <i> and <u>**

same, but not



# <em> and <i>

Both italicize text, but having the same look doesn't  
imply the same meaning

Ask yourself: Am I wanting to add verbal stress?

# Why care about semantics?

Lots of non-seeing things look at your webpage,  
including ~5% of the human population :)

# Non-Semantic Tags

```
div: <div>  
span: <span>
```

# Breaks

Line break: `<br>`

Horizontal Rule: `<hr>`

Paragraph with a break  
in the line

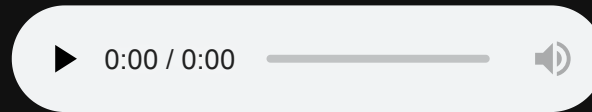
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# Meta

Within the <head> for SEO/FB/ETC

```
<meta charset="utf-8">
<meta name="author" content="Heather Moore">
<meta name="description" content="This class teaches front end webdev.">
<meta name="keywords" content="html, css, javascript">
<meta property="og:image" content="https://logo.png">
<meta name="twitter:title" content="Web Development Syllabus">
```

# Multimedia



```
<audio controls>
  <source src="song.mp3" type="audio/mp3">
  <source src="song.ogg" type="audio/ogg">
  <p>Your browser doesn't support HTML5 audio.</p>
</audio>
```

```
<video controls>
</video>
```

# More?

- Code
- Quotes
- Tables
- Forms
- iFrames
- svg

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# Tuesday: hw/01.md

Push a webpage to your GitHub Pages site

Submit repo in github classroom