

A decorative graphic on the left side of the slide. It consists of a blue parallelogram and a light green parallelogram, both tilted at an angle. The blue shape is in the foreground, and the green shape is partially behind it. They are set against a dark blue background with faint, lighter blue diagonal stripes.

Lecture 1: Intro/Wireframes



Intro: Who am I?

Lead Front End Developer @ Postman

- Previous employment
 - Software Engineer @ Airbnb (1.5 yrs)
 - Web Developer @ ASUS North America (1 yr)
 - Web Developer @ Incentive Networks (2.5yrs)



Portfolio: <https://www.williamsfuller.com/>

GitHub: <https://github.com/wsfuller>



POSTMAN





Intro: Tell us about yourself

Helpers:

- What is your name?
- Where do you work?
- What's your major?
- What do you hope to learn?
- What kind of music are you into?
- What are you excited about for this class?
- etc.

Tell us a **FUN FACT** about yourself

Intro: Canvas for Grades and Homework submission

We will be using Canvas extensively

- Grades
- Homework
- Lectures

I'm still new to Canvas and working through things. So if there are issues or things aren't working correctly please let me know





Intro: What is this course about?

Flow of building a website

- **Wireframe** a website
- **Design** a website
- **Prototype** a website
- **Code** a website
- **Deploy** your site
 - Use free GitHub Pages
 - Or buy a domain/hosting

Learn

- How to ask questions
- Where to find help
- Networking/How the Internet works w/Guest Speaker
- Bootstrap Framework and other helpful tools
- Some limitations and challenges of browsers



Intro: What to expect in/out of class

In class

- Introduction
- Student Feedback
 - How can the class be improved?
- Lecture
- Break
- Lecture/Demonstration
- Break
- Class time (varies)

Outside of class

- Practice coding HTML and CSS examples
 - Use any and all resources
 - w3schools.com
 - CSS Tricks
 - YouTube
 - etc.
- Homework
 - Wireframes
 - 1-2 hours
 - Design
 - 2-3 hours
 - Coding
 - 4+ hours



Intro: Turning in Assignments

- Assignments will be open for 2 weeks from due date
 - Late submission -10%
 - Each week late is an additional -10%
 - Once assignment is closed it is closed
 - Will be recorded at a 0%
 - Assignments are due at the beginning of the following class at 6:30pm
- Resubmissions
 - If I make a comment on your work you can resubmit
 - No penalties will be given
 - Your grade may be increased



Intro: Assignments Overview

- Overview
 - Week 01 (6/5)
 - Week 02 (6/12) - Due: Wireframes 1
 - Week 03 (6/19) - Due: Wireframes 2
 - Week 04 (6/26) - Due: Mockups 1 | Close: Wireframes 1
 - Week 05 (7/3) - Due: Mockups 2 | Close: Wireframes 2
 - Week 06 (7/10) - Due: Prototype URL (Midterm) | Close: Mockups 1
 - Optionally GitHub URL (done in class)
 - Week 07 (7/17) - Due: GitHub URL | Close: Mockups 2
 - Week 08 (7/24) - Close Prototype URL (Midterm)
 - Week 09 (7/31) - Close: GitHub URL
 - Week 10 (8/7) - Final URL Submission

Intro: What we will learn

HTML 5

*Content
Structure*



CSS 3

*Style
Presentation*

JavaScript

Behavioral



Intro: Tools



Git

+



GitHub

Intro: Tools



Atom Text Editor

- Used for coding
- Flexible with plugins and themes
- Made by the folks at GitHub
- Available macOS/Windows
- Free



GitHub Desktop

- GUI for working with Git
- Easier than using [Terminal](#) or [Command Line](#)
- Made by the folks at GitHub
- Available macOS/Windows
- Free



Intro: Can I use other text editors?

But I want to use

- Sublime Text
- Notepad++
- Brackets
- Vim
- Emacs
- Komodo
- Visual Studio
- Webstorm

If you travel this road you will be doing it as a lone wolf. As I've used many of these editors before I'm not advising it for this course. It makes everything run better when you use the tools of the many not the few.

Intro: What Browser should I use?

I highly encourage you use Chrome in this class

- Easier for me to help you
- Solid Developer Tools
- Used for in class demos
- Grading Finals with

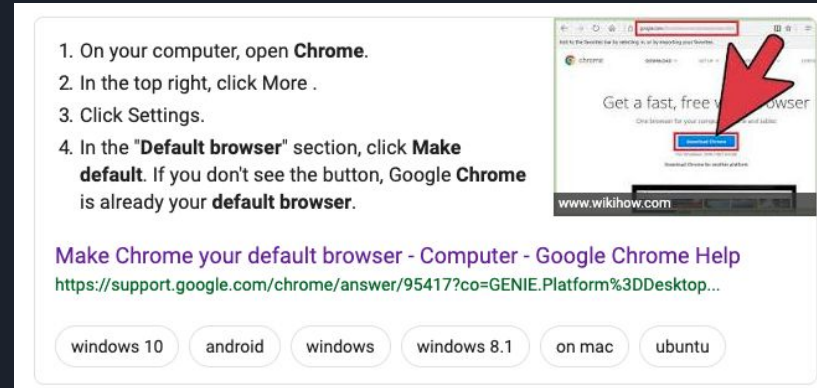
Note: There's nothing wrong with other browsers. But like in the previous slide, **"It makes everything run better when you use the tools of the many not the few."**



Intro: Make Chrome Default Browser

1. Google “make chrome default browser”
2. Click support.google link
3. Follow instructions on next page

<https://support.google.com/chrome/answer/95417?co=GENIE.Platform%3DDesktop&hl=en>



The screenshot shows a Google search result for the query "make chrome default browser". The top result is from WikiHow, titled "Make Chrome your default browser - Computer - Google Chrome Help". The URL is <https://support.google.com/chrome/answer/95417?co=GENIE.Platform%3DDesktop&hl=en>. Below the title is a list of four steps: 1. On your computer, open **Chrome**. 2. In the top right, click **More**. 3. Click **Settings**. 4. In the **"Default browser"** section, click **Make default**. If you don't see the button, Google **Chrome** is already your **default browser**. To the right of the text is a small image of a Chrome browser window with a red arrow pointing to the "More" menu in the top right corner. Below the main text are five buttons: "windows 10", "android", "windows", "windows 8.1", and "on mac", followed by an "ubuntu" button.

1. On your computer, open **Chrome**.

2. In the top right, click **More**.

3. Click **Settings**.

4. In the **"Default browser"** section, click **Make default**. If you don't see the button, Google **Chrome** is already your **default browser**.

Make Chrome your default browser - Computer - Google Chrome Help
<https://support.google.com/chrome/answer/95417?co=GENIE.Platform%3DDesktop&hl=en>

windows 10 android windows windows 8.1 on mac ubuntu



Intro: Do we need to read the book?

Si

Oui

Hai

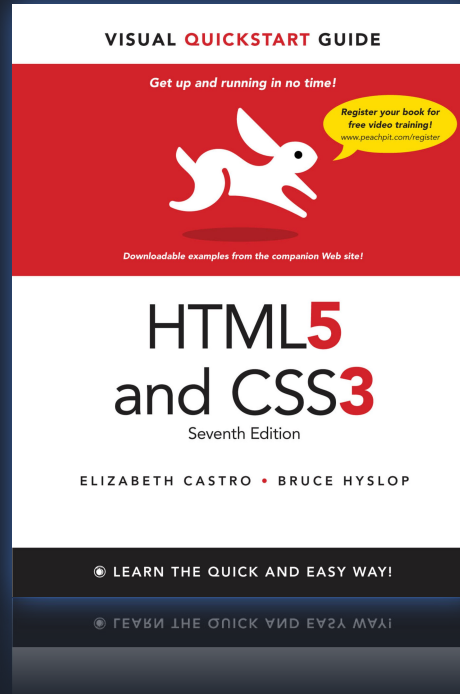
YES!!!

Shi

Ja

Sim

Intro: The Book

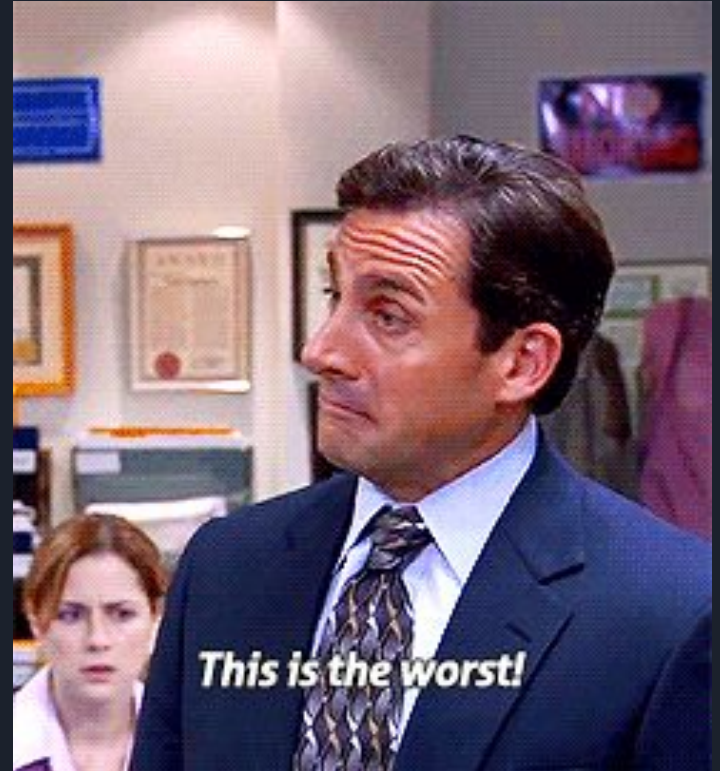
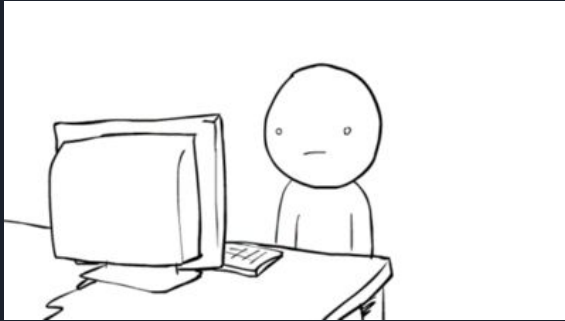




Intro: Why the book is important

- Lectures are loosely based on chapters in the book
- Reading the book
 - Will give you a head start
 - Help form questions
 - Introduce you to new concepts
- Although this version of the book is dated the concepts are still relevant

Intro: You *will* get to this point...a lot



Intro: Feeling meh, confused, frustrated, etc.

And sometimes you're going to feel like this...



- Raise your hand
- Ask questions
- Ask for help
- Did you try Google?
- Did you try Stack Overflow?
- Maybe you need to take a break
- Reach out to me
 - Email on Canvas
 - Ask me to come to class early
 - Stay after class

Intro: Helpful resources

These sites will help you with
everything covered in this class

...srsly

- [HTML w3schools](#)
- [CSS w3schools](#)
- [JavaScript w3schools](#)
- [CSS Tricks](#)
- [HTML 5 Cheatsheet](#)
- [CSS Cheatsheet](#)
- [Stack Overflow](#)





Intro: Website Requirements

[Here is my band website](#)

Minimum Website Requirements:

- Homepage
 - Full screen background image
 - HTML 5 Video (Optional)
- About page
 - X2 large paragraphs of text
 - X2 lists
 - Import at least 1 image within a paragraph
 - Tell me all about the band I want to understand who they are and what they are about
- Discography
 - X3 albums
 - Album covers, album title, release date, numbered tracks
- Media
 - X8 thumbnail images
 - Images must have Lightbox effect
 - X3 embedded YouTube Videos
- Merch
 - X6 products
 - X2 product categories
 - Must be able to Filter items
- Tour Dates
 - HTML Table with headers:
 - Venue (must link)
 - Location
 - Date
 - Time
 - Where to buy tickets (must link)
 - X10 Dates must be present
- Deploy Site
 - GitHub using GitHub Pages
 - Hosting and Domain (optional)



Intro: The end goal of this course

1. Identify
2. Wireframe
3. Design
4. Prototype
5. GitHub
6. Code
7. Deploy



Sign up for GitHub

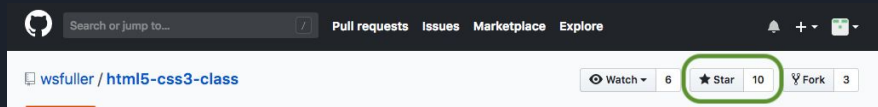


Intro: Sign up for GitHub

1. [Go to GitHub](#)
2. Sign up for GitHub
 - a. Create account
 - b. Choose your plan
 - i. Default Unlimited Public
 - c. Tailor your Experience (optional)
3. [Go to class Repository](#)
4. Click the Star, bookmarks

In this repository you will see several links

- class-resources
 - class-directory
 - Lectures
 - Lectures will be uploaded in .pdf and .pptx formats from Google Slides
 - deftones-site.sketch
- final-project, this is my final coded site



Intro: Class Resources



Within GitHub you will find class-resources

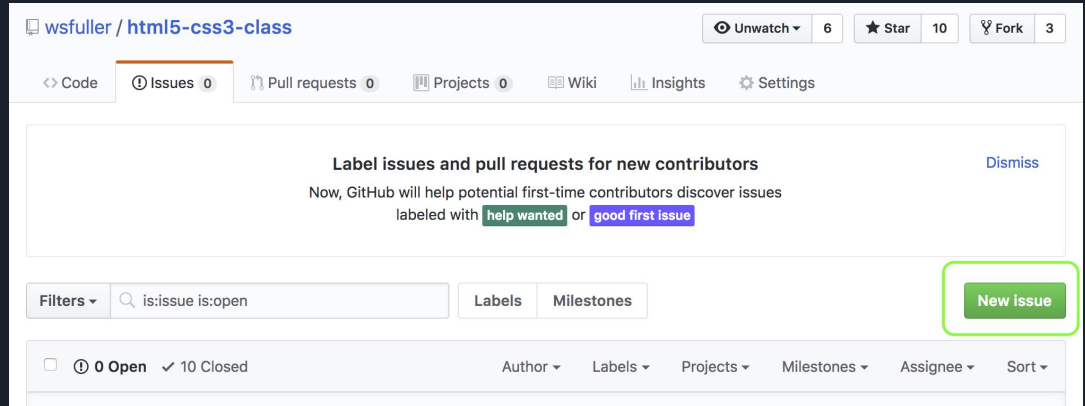
These resources will be:

- Lectures
 - Uploaded by next evening
- Code Examples from Class
- Syllabus
- etc

Intro: Help make things better

Just like anything in this industry, nothing is constant. I'm asking you to help me to ultimately help others make this a better class.

Make GitHub Issues



Wireframes



Wireframe: How to Wireframe

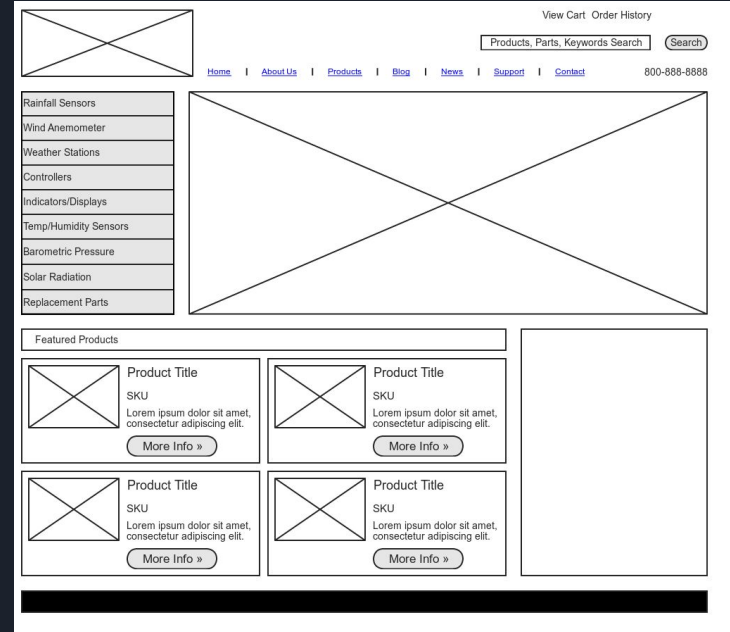


[Video Link](#)

Intro: Wireframe Examples

Wireframes should be simple but comprehensive

- [Example 1](#)
- [Example 2](#)
- [Example 3](#)





Wireframe: Tools/Setup

- You can essentially wireframe using any medium
- You can use
 - Pen and Paper
 - Illustrator
 - Sketch
 - Photoshop
 - Draw.io
 - Balsamiq
- All submitted work needs to be
 - .png
 - .jpeg/jpg
- Canvas Size (guide)
 - Width: 1400px
 - Height: 1000px but allow for this to expand

Homework

- Identify band/artist
- Read Ch. 3 & 6
- Wireframe
 - Home
 - About
 - Discography





Index

- [iQuery](#)
- [Git](#)
- [GitHub](#)
- [CSS Flexbox Guide](#)
- [Bootstrap](#)
- [HTML5/CSS3 Book](#)
- [inVision](#)
- [Demo Site](#)
- [GitHub Desktop](#)
- [Atom Text Editor](#)
- [Wireframe Video](#)