Lecture 1: Welcome

Tell us about yourself

- 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

What is this course about?

- You will be hard coding your website
- Learn about wire framing
- Medium fidelity design mockups
- Prototype your site
- Deploy your site
  - You *can* use GitHub
  - Prefer you purchase your own Hosting/Domain name

- Flow of building a website
- Learning
  - How to ask questions
  - Where to find help
  - Networking/How the Internet work w/Guest Speaker
  - Frameworks/Utilities
- What it's like to design and then have to develop that design
- Limitations and challenges of browsers

What we will learn

HTML 5
Content
Structure

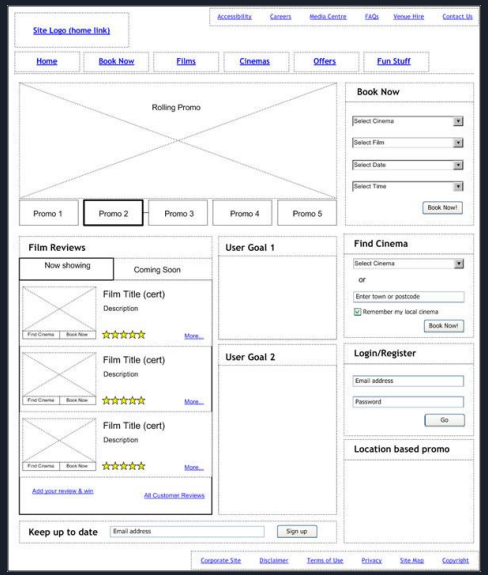
CSS 3
Style
Presentation

JavaScript
Behavioral

jQuery

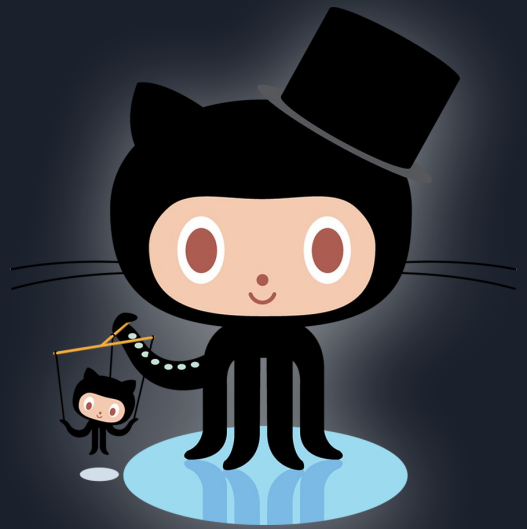
What we will learn

invision



What we will learn

+



Git

GitHub

Coding 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 working with Command Line
- Made by the folks at GitHub
- Available macOS/Windows
- Free

Can I use other tools?

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.

Do we need to read the book?

Si

Oui

Hai

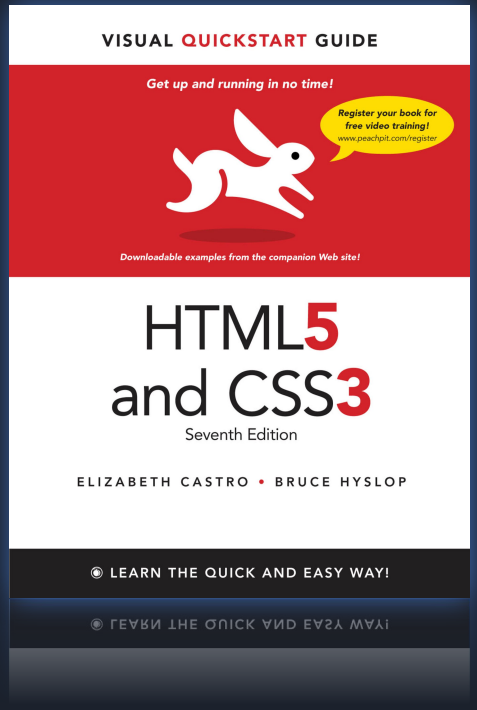
YES!!!

Shi

Ja

Sim

The book is expensive, we are “broke college kids”



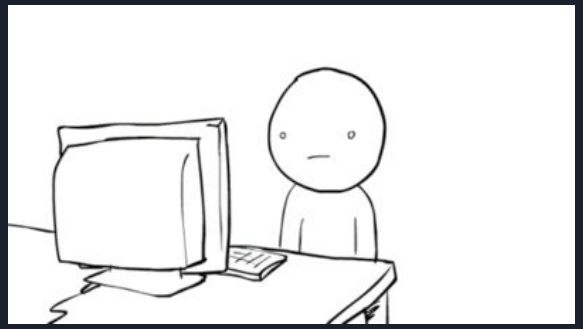
Well then…

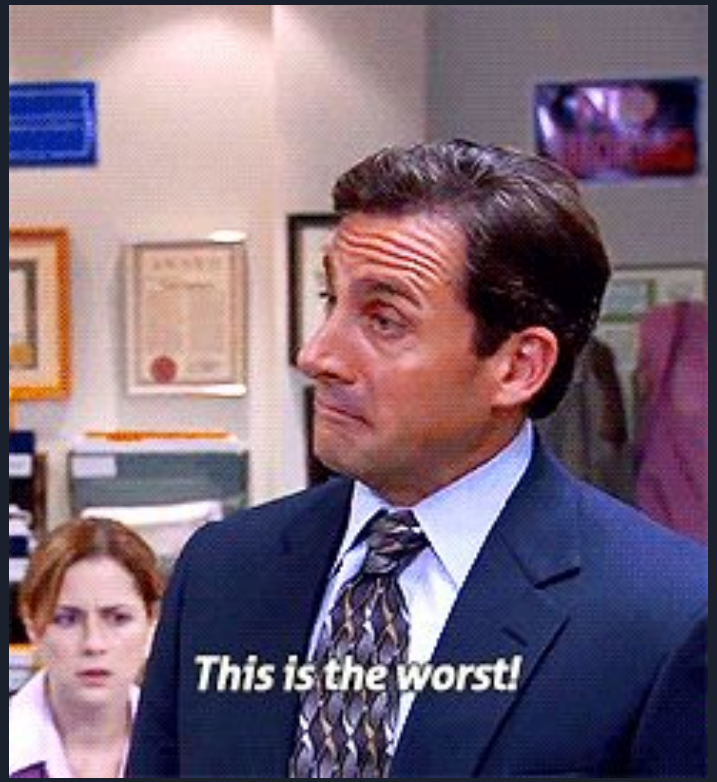
here it is for **FREE**

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

You may (probably will) get to this point





Feeling meh, confused, frustrated, etc.

And sometimes you're going to feel like this…

- Ask questions
- Raise your hand
- Ask for help
- Google it
- Stack Overflow
- Take a break
- Help me help you
  - Email me: ***steve_fuller@berkeley.edu***
  - Ask me to come to class early
  - Stay after class

Helpful resources

- HTML w3schools
- CSS w3schools
- JavaScript w3schools
- CSS Tricks
- HTML 5 Cheatsheet
- CSS Cheatsheet
- Stack Overflow

The goal of this class

Your overall goal of this course is to build website for a band

Here is my band website

Minimum Website Requirements:

- Homepage
  - Full screen image
  - HTML 5 Video (Bonus)
- About page
  - X2 large paragraphs of text
  - X2 lists
  - 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 merch items
  - Must be able to Filter items
  - X2 categories
- Tour Dates
  - HTML Table
  - X10 Dates must be present
  - Link out to Venues and/or Where to Buy tickets
- Deploy Site
  - GitHub
  - Hosting and Domain (Bonus)

Wireframing

Video Link

What tools can I use to wireframe

- You can essentially wireframe using any medium
- You can use
  - Pen and Paper
  - Illustrator
  - Sketch
  - Photoshop
  - Draw.io
  - Balsamiq
- If you use a digital format just make sure you are able to export as
  - .png
  - .jpeg/jpg
- Canvas Size
  - Width: 1400px
  - Height: 1000px but allow for this to expand

Homework

- Identify the band in which you want to create a site for
- Wireframe
  - Homepage
  - About
  - Discography
- Read Ch 3 & 6
- Sign up for GitHub
  - Free Account
- Get external storage
  - Cloud Storage Preferred
  - USB Flash Drive 8GB is more than enough

Index

- jQuery
- Git
- GitHub
- CSS Flexbox Guide
- Bulma
- HTML5/CSS3 Book
- inVision
- Demo Site
- GitHub Desktop
- Atom Text Editor
- Wireframe Video