WEB DESIGN DECAL

LECTURE 11

Deploying to Github & Next Steps

Push your website online and further steps in web development

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Today - Guest Lecture!

Taron Ghazaryan - Designer at Yelp

A heads-up for today:

1. Please download the Github for Mac/Windows application for today's hands-on! We'll need it for deploying a website to the web!

desktop.github.com

A heads-up for today:

2. Also, please create a Github Account (it's free!)

github.com

jQuery Cheat Sheet

Getting/Setting content

```
$('thing').text()
$('thing').html()
$('thing').val()
```

Event Listeners

```
$('thing').click()
$('thing').hover()
$('thing').scroll()
```

DOM Traversal

```
$('thing').parent()
$('thing').children()
$('thing').siblings()
$('thing').find()
```

jQuery Effects

```
.show()
.hide()
.fadeIn(500)
.fadeOut(500)
```

CSS Effects (Animations)

```
.css('attr','value')
.addClass('class')
.removeClass('class')
.hasClass('class')
```

more: http://api.jquery.com/

What are we doing today?

- Our favorite jQuery plugins
- How to deploy websites to the World Wide Web
- Life after WDD

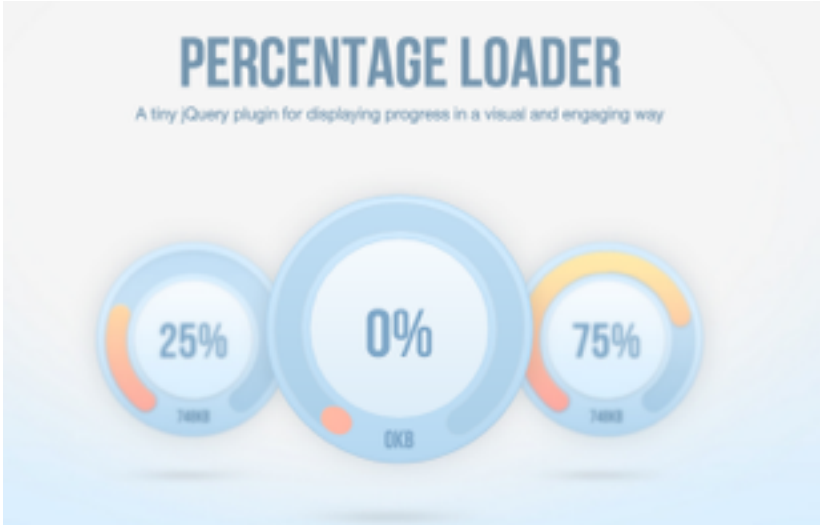
Let's talk

jQuery Plugins

jQuery Plugins

Some developers take really common UI elements and open source them as plugins

Examples: Photo Slider, Pre-made Menus, Tile views, etc.



Our favorite plugins

1. jQuery Masonry (for that Pinterest UI)
2. Waypoints.js (Infinite Scroll and others)
3. Unslider (Mobile responsive photo sliders)

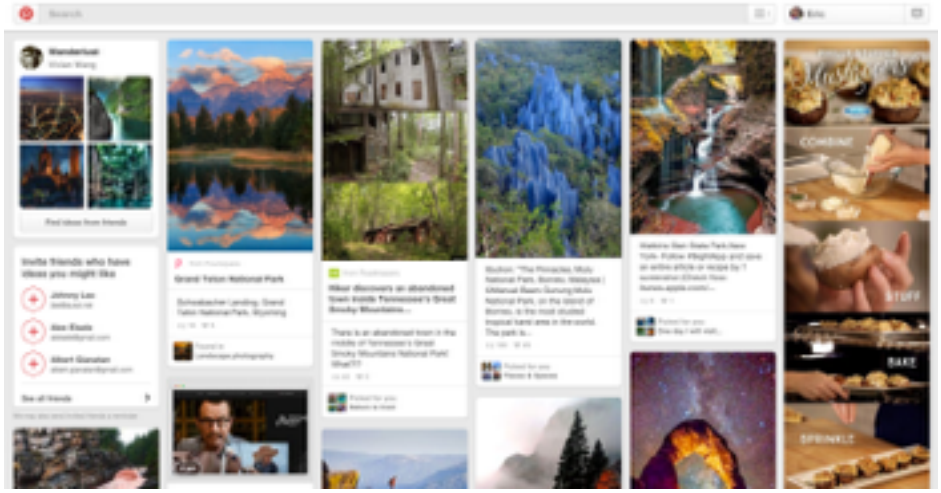
Masonry

http://masonry.desandro.com

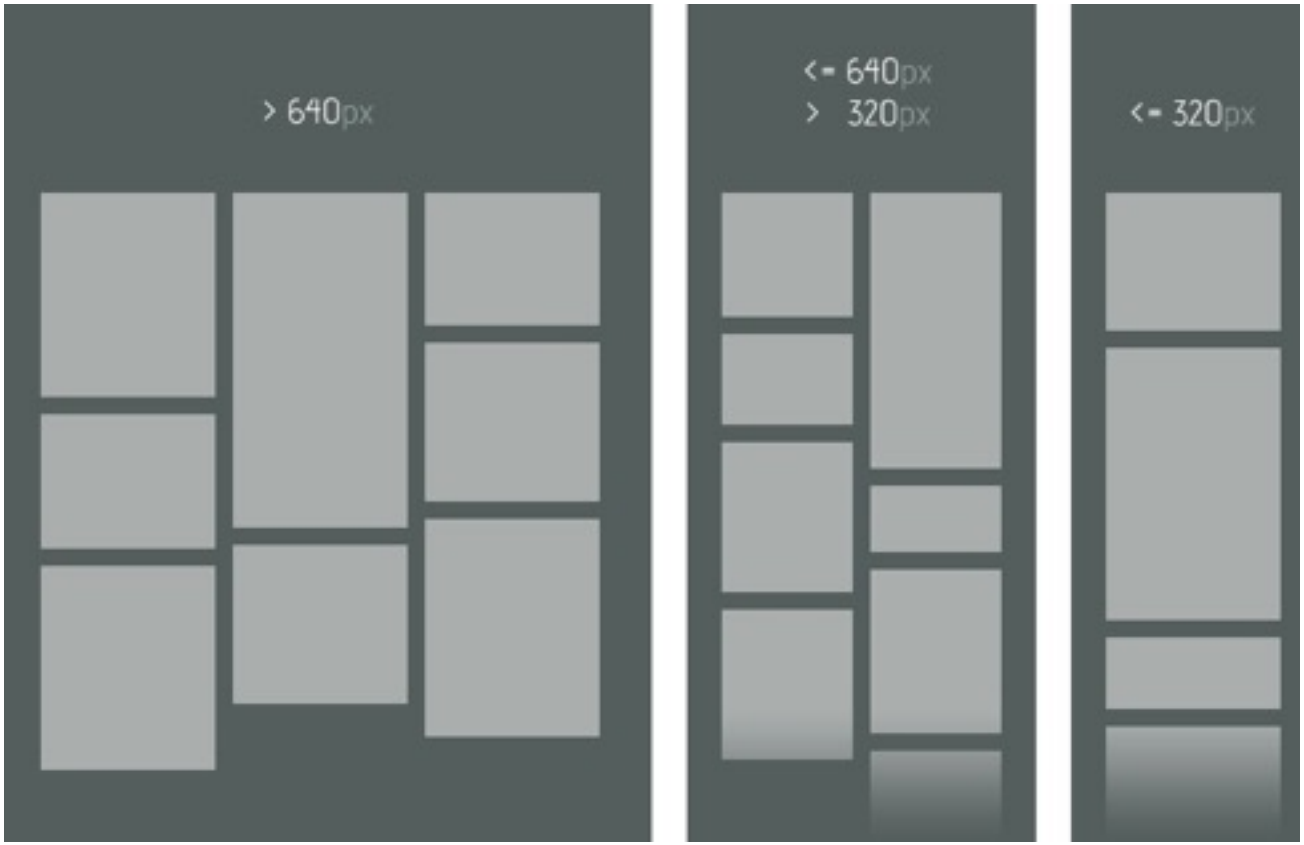
Think Pinterest-style layout of a “tiles”

Each “tile” has some amount of content

Awesome if you’ve got a lot of photos + descriptions



Masonry



Waypoints.js

http://imakewebthings.com/jquery-waypoints

Easy “Sticky” Navigation bars

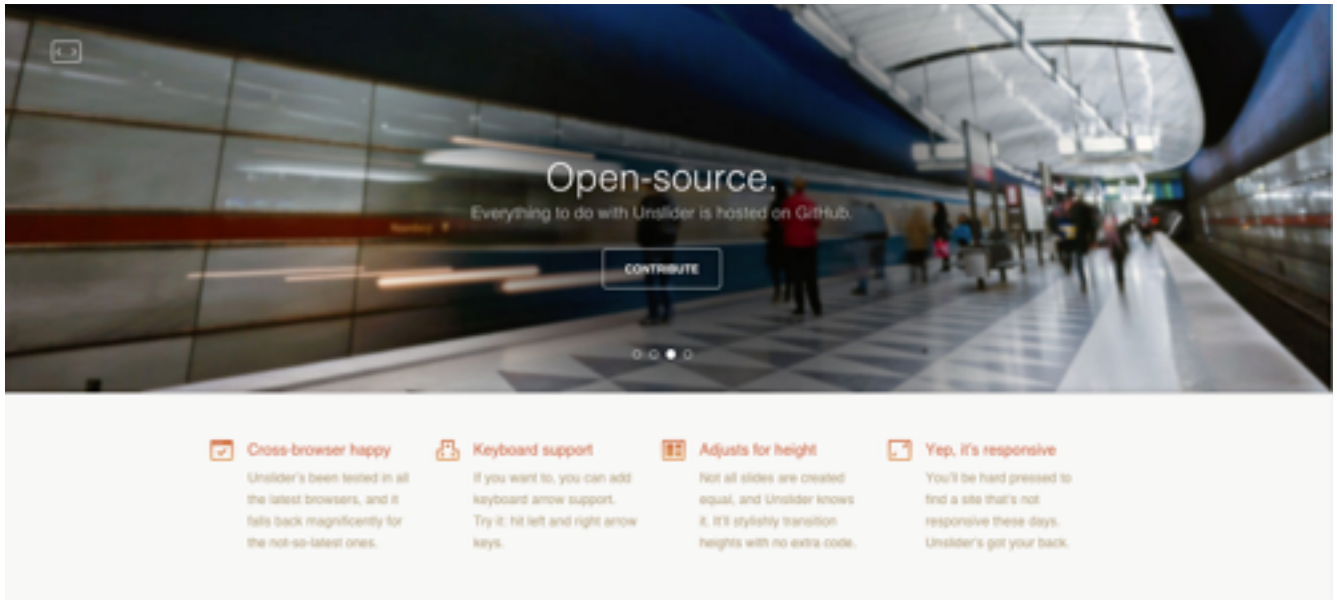
Scroll Analytics

Infinite Scroll

Unslider.js

unslider.com/

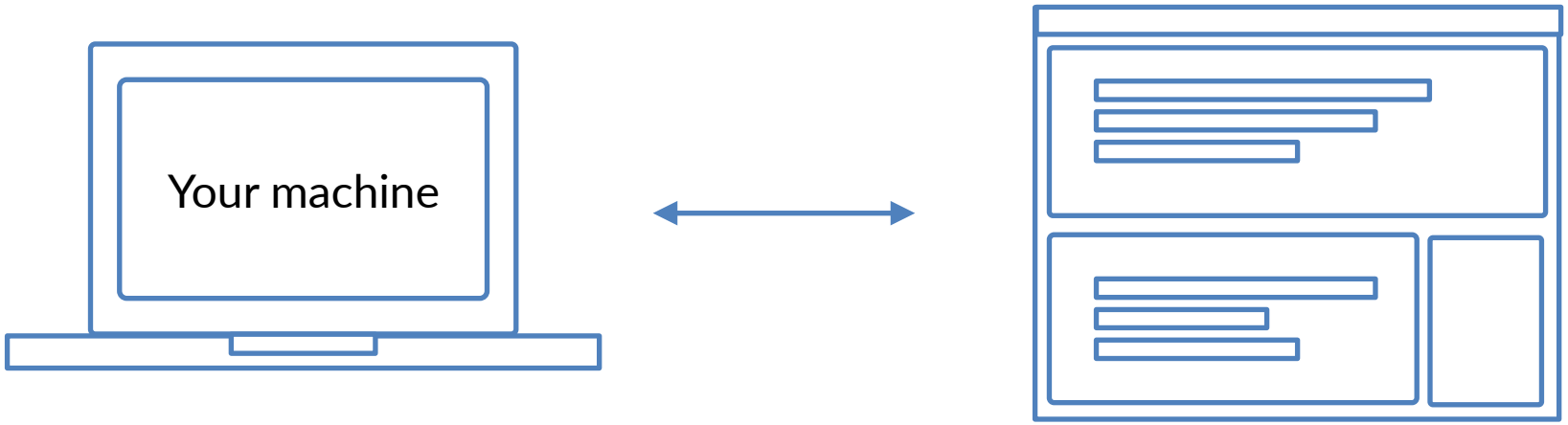
Responsive photo sliders



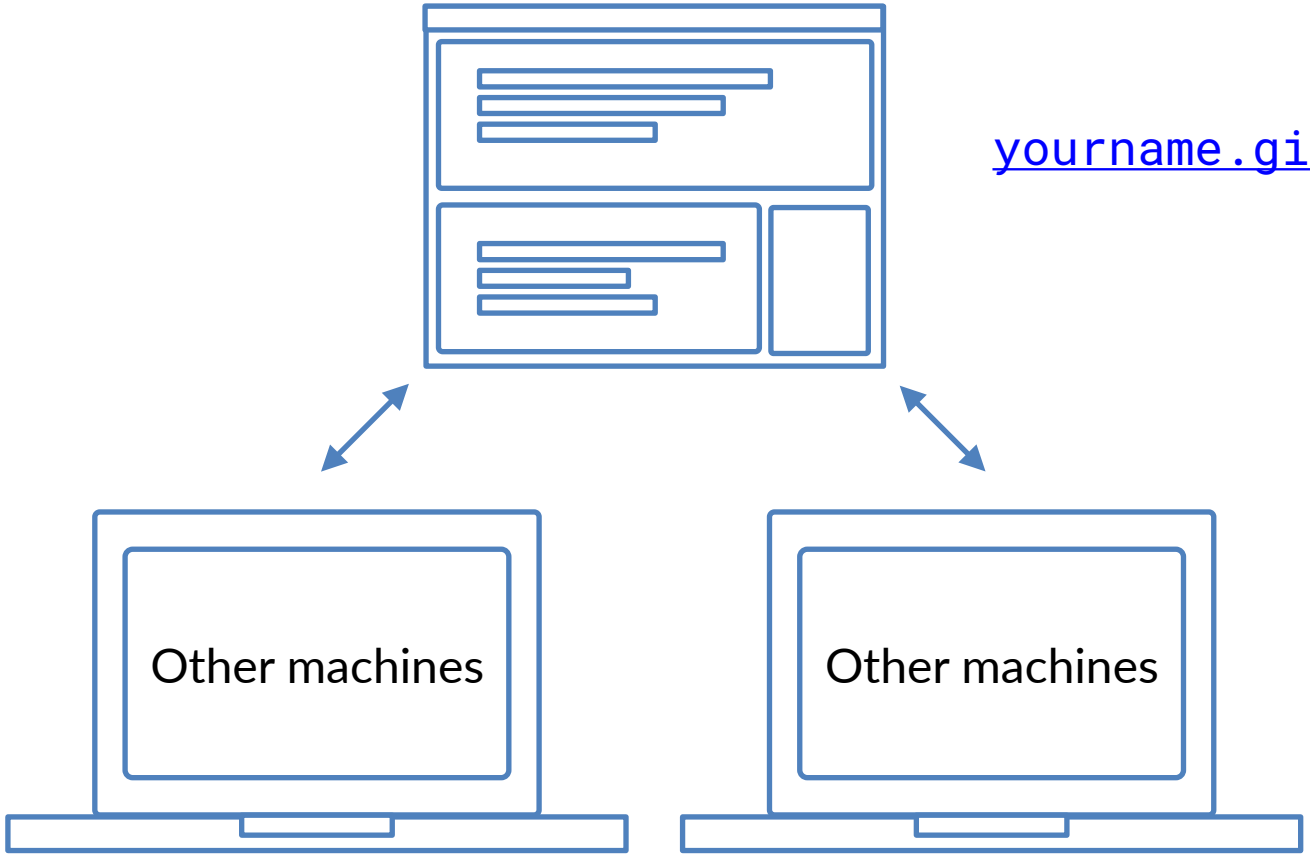
What does it mean to “deploy”?

Your website — currently

```
file:///Users/you/WDD/yoursite/index.html
```



Your website — soon to be



yourname.github.io

What is Github?

An analogy — engineering

Github

The Web-based Version Control application

A host for your static pages!

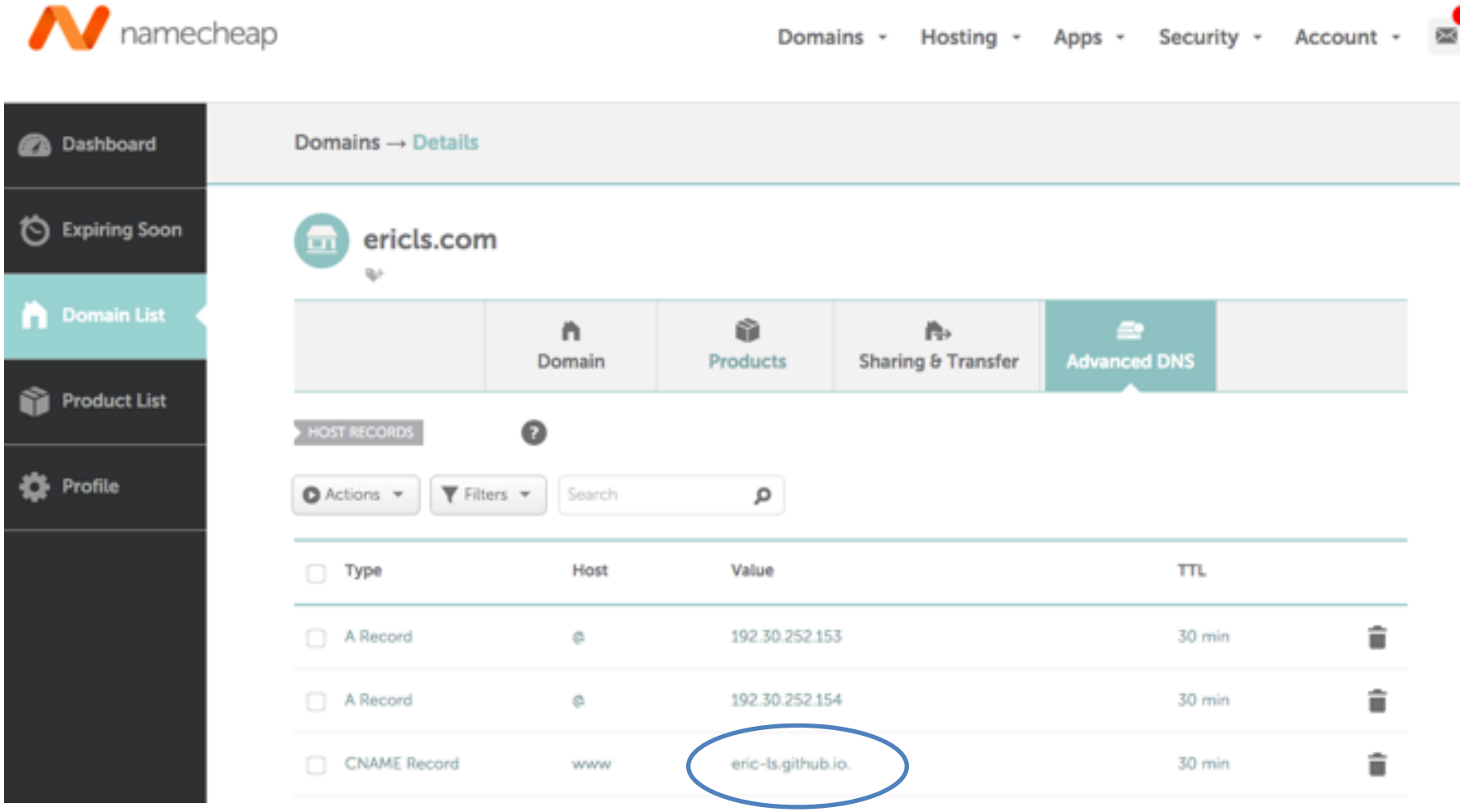
Github

It’s often the modern resume for the software developer
Usually done with a series of commands on your Terminal
This logo is of its mascot, the Octocat

Getting a custom domain name

I recommend reserving on www.namecheap.com

Easily configurable with Github Pages


namecheap
Domains
Hosting
Apps
Security
Account
Dashboard
Expiring Soon
Domain List
Product List
Profile
Domains → Details
ericls.com
Domain
Products
Sharing & Transfer
Advanced DNS
HOST RECORDS
Actions
Filters
Search
Type
Host
Value
TTL
A Record
@
192.30.252.153
30 min
A Record
@
192.30.252.154
30 min
CNAME Record
www
eric-ls.github.io.
30 min

So what’s next after WDD?

Parting thoughts

Other Libraries and Frameworks to check out:

Angular JS (by Google)

React JS (by Facebook)

D3.js (Interactive data visualizations)

Node.js (For doing the backend)

SASS (A more powerful CSS)

CoffeeScript (JS with different syntax)

Parting thoughts

The Back-End

- Learn back-end frameworks like Django, Ruby on Rails, PHP
- Django uses Python
- Typically takes longer than front-end to learn
- Consider CS169 (Typically uses Ruby on Rails)

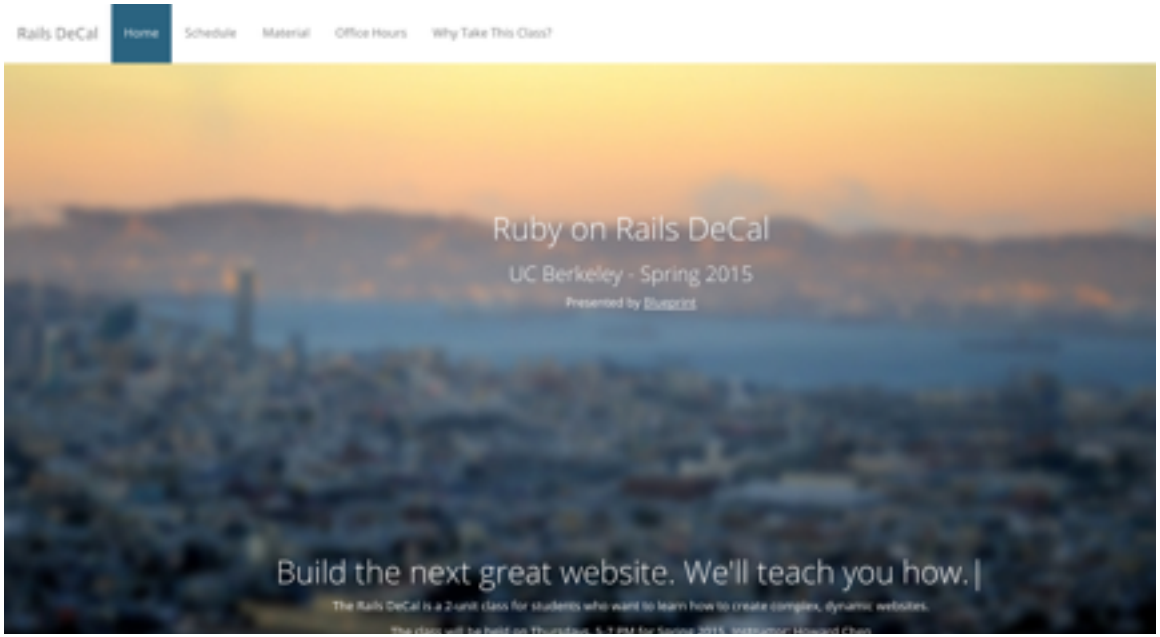
Databases

- Back-End languages communicate with the database
- Store user data, website data, etc.
- MySQL, MongoDB (NoSQL), PostgreSQL, SQLite3

Parting thoughts

The Back-End

Shouts out to the Ruby on Rails DeCal! (www.railsdecal.com)



Parting thoughts

Congrats, you're an entry-level front-end developer :)

- Can say you have HTML5/CSS3/JavaScript on resumé
- Try freelance dev, contributing to OSS, or interning

Parting thoughts

Companies and their web “stacks”:

- **All** use JavaScript
- Facebook — PHP & Python
- Google — Python (Django)
- Apple — Everything, essentially
- LinkedIn — Node.js
- Yahoo — PHP
- Twitch.tv — Ruby on Rails

Thanks so much everyone :')

Hamza - Setting up Git