Bootstrap

Our Process

- 1. Collect resources as a group
- 2. Do step-by-step tutorials
 - a. first a getting-started tutorial
 - b. then deeper tutorials that touch the things we want to learn

1. Collecting resources

Overview

http://bootstraphero.com/the-big-badass-list-of-twitter-bootstrap-resources

- what is it?

http://www.inmotionhosting.com/support/edu/joomla-3/using-bootstrap/what-is-bootstrap

- what's it good for?

http://twitter.github.io/bootstrap/getting-started.html#examples

http://www.sitepoint.com/11-reasons-to-use-twitter-bootstrap/ nice short hit on the

highlights

<u>http://twitter.github.io/bootstrap/components.html</u> official documentation -- very good explanation of what bootstrap can do and how to do it, with examples

- what are alternatives to it?

JQuery UI, HTML5 Boilerplate, Zurb Foundation

- what does it depend on? (other libraries, languages)

(jquery), Javascript, HTML, CSS, LESS?

- what are the pieces we have to (or want to) learn

grid layout

responsive design

styling tables, forms, and buttons

tabs & navbars

alerts & modal dialogs

dropdown menu bars

progress bars?

using different themes?

- what extensions? what else builds on top of Bootstrap?

http://twitter.github.io/bootstrap/javascript.html

http://twitter.github.io/bootstrap/extend.html

http://twitter.github.io/bootstrap/getting-started.html#examples

https://github.com/addyosmani/jquery-ui-bootstrap (bootstrap brought to jquery ui

widgets)

http://designmodo.github.io/Flat-UI/# very customizable as seen here

- what should we learn next?LESS

http://twitter.github.io/bootstrap/

Access online:

http://twitter.github.com/bootstrap/assets/js/bootstrap.js http://twitter.github.com/bootstrap/assets/css/bootstrap.css

http://en.wikipedia.org/wiki/Twitter Bootstrap

- provides a grid layout with responsive design
- CSS stylesheets & HTML design templates

http://www.bootstrapfree.com/

- forms, buttons, charts, navigation components http://twitter.github.io/bootstrap/components.html
- Allows you to pick and choose what you want and download your customization http://twitter.github.io/bootstrap/customize.html
- Arrows in all directions

http://bootstrap-arrows.iarfhlaith.com/index.html

Tutorials

- video? web page only? about how long?

Getting started: choose one:

- http://twitter.github.io/bootstrap/getting-started.html (the standard one, web page, 5 steps, very brief coverage of layout, nothing deeper)
 - o 10 people
- http://www.codeproject.com/Articles/506653/Create-Clean-Webpages-with-Twitter-Bootstrap (web page, maybe 7 steps, includes grid, menu bar, nav bar, tabs, popups, pagination)
 - o 8 people

Next step: go deeper

http://webdesign.tutsplus.com/tutorials/complete-websites/twitter-bootstrap-101-in-troduction/ (link above: has really helpful videos just to introduce examples using bootstrap (video 1), and understanding what's inside of the zipfile (video2), and other topics: grid, 2.0, navbar, tabs/pills, carousel, trimming the file size, customize)

- o 2 people
- http://www.w3resource.com/twitter-bootstrap/tutorial.php (web pages only)
 - 4 people

http://twitter.github.io/bootstrap/base-css.html (doesn't seem to be a tutorial)
http://themecrunch.com/2013/04/twitter-bootstrap-tutorials-tools-and-resources/
http://www.w3resource.com/twitter-bootstrap/tutorial.php
http://www.onextrapixel.com/2012/11/12/how-to-use-twitter-bootstrap-to-create-a-responsive-website-design/

Deeper tutorials

http://designshack.net/articles/css/20-awesome-resources-for-twitter-bootstrap-lovers/ http://twitter.github.io/bootstrap/customize.html (looks like a customizing UI, not a step-by-step tutorial)

http://www.youtube.com/user/easydevtuts/videos?tag_id=&sort=p&view=0&shelf_i
ndex=1 (video demonstrations)

http://www.onextrapixel.com/2012/11/12/how-to-use-twitter-bootstrap-to-create-a-responsive-website-design/

Example Project

- find Bootstrap example websites & pick one (or more) to reimplement http://builtwithbootstrap.com/

http://www.tripwiremagazine.com/2013/02/twitter-bootstrap-examples.html

Either start simple:

- duplicate the Fluid Layout example
 http://twitter.github.io/bootstrap/examples/fluid.html
- or pick a fairly simple site from http://builtwithbootstrap.com/

Goal for end of day

Bootstrap site with grid, responsive design, some navbar, some buttons, some modal dialog or alert

How do we debug?

- Chrome Inspector

Q&A

- where or who can we ask questions about this? Stack Overflow / each other
- what's the best API docs?
- how to search for answers?

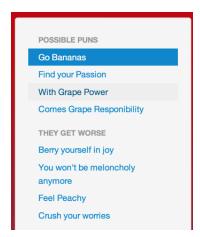
Websites built with bootstrap:

1. Codeacademy

Examples created by us



http://htmlpreview.github.io/?https://github.com/michelleoj/MITx/blob/master/Week%202/Bootstrap/mockup.html

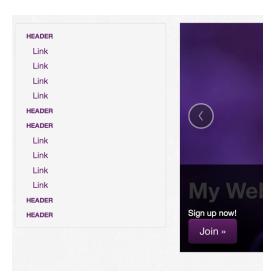


http://htmlpreview.github.io/?https://github.com/laurabreiman/MITx/blob/master/bootstrap-prac/fluid-site.html#

The Complete Works of William Shakespeare



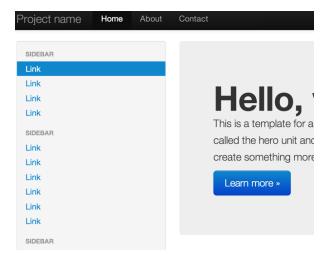
http://htmlpreview.github.io/?https://github.com/cressid/MITx/blob/master/shakespearehomepage.html



http://htmlpreview.github.io/?https://github.com/jessmand/MITx/blob/master/website/website.html



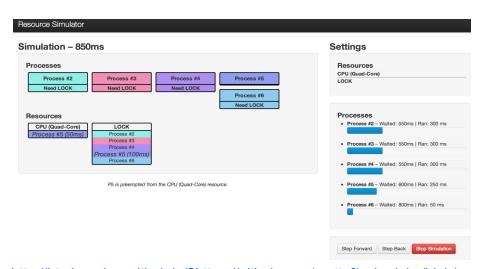
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http://htmlpreview.github.io/?https://github.com/olearym/MITx/blob/master/bootstrap-fluid_html



http://htmlpreview.github.io/?https://github.com/stephensm/MITx/blob/master/example.html



http://htmlpreview.github.io/?https://github.com/mattpf/schedsim/blob/master/index.html