



WEEK 8

Project Review and Summary
Please post your document in
discussion area.

A Few Final Usability Notes

- Thing to Remember
- When linking to an external resource on a separate domain, it's polite to inform the user that following the link will take them out of the current context. This is especially helpful to screen reader users who will have become accustomed to the current site's features and layout. In other words, you avoid a "Where the hell am I?" moment.
- The HTML5 outline algorithm was specified to automate section structure based on sectioning elements, removing the need for <h1>–<h6>. However, it is not implemented in any user agent³, and there's no sign it ever will be.
- Valuable sections define initial structure, effective use if h1 thru h5 , the use of sections articles and main.
- Things to Avoid
- A lack of navigable, structural cues or bypass blocks like landmarks and headings.
- Whimsical, cryptic or partial labels for headings and links.
- CSS margin declarations not tolerant of and reactive to changing contexts.
- Making your static content site dependent on client-side JavaScript.

Demonstrating “Progressive Enhancement”

- The design philosophy of Progressive Enhancement allows information to be served in spite of browser versions or bandwidth limitations.
- For each of your projects, disable JavaScript in the browser and demonstrate how much functionality and information you lose.
- Demonstrate successful page load speeds in your projects.

Pros and Cons of Using Frameworks

- Quick start a project
- Cross-browser compatibility
- Community advice
- Available components
- Beware of recognizability
 - Don't want all sites to look the same
- Picking the best solution for the site

And one last word of caution, there is a point of too much JavaScript.

Always design with “progressive enhancement” in mind.

My Opinion Sheet

- Using a framework saves me about 10 hours on a migration.
- Minimizes cross-browser testing
- Page load speeds tend to cause bias toward the opinion that jQuery is heavy.
 - Page load speed is why I don't use a CDN.
- Anything over 2 second load time raises a flag for me.
 - Largest contributors are images, server latency, jQuery, Google Analytics, databases.
- Foundation not as widely supported.
- Materialize philosophy is forward thinking, worth a try.
- Others are too similar to tell.
- Typography between frameworks
 - To em or not
- Always a new framework to consider...
- ***Review data here***

	Bootstrap 4.0.0-alpha	Foundation 6 NEW	Skeleton 2.0.1
Summary	<p>Updates in version 4.0.0-alpha:</p> <ul style="list-style-type: none"> • Dropped Less in favor of Sass • Better grid system for mobile • Opt-in flexbox support - use Sass boolean to toggle • Wells, Thumbnails, and Panels have been replaced by Cards • New reset called Reboot (combination of normalize.css and Bootstrap base styles) • Dropped IE8 support • Moved from px to rem and em units • All JS plugins rewritten in ES6 • Completely rewritten and improved documentation <p>Blog post here</p>	<p>Foundation 6 Updates:</p> <ul style="list-style-type: none"> • 50% code reduction • Components built with more attention to Web Accessibility • Fewer default styles to override • Customizable Sass Grid <ul style="list-style-type: none"> ◦ Flexbox grid toggling ◦ Custom breakpoints • ZURB prototyping tools • Motion UI • More flexible navigation patterns <ul style="list-style-type: none"> • Blog post • Documentation 	<ul style="list-style-type: none"> • Grids: Fluid • UI tools: Limited • History: Mobile-first update, new percentage-based grid, more robust form styles, new basic table styling and super basic code styling
Version	4.0.0-alpha	6	2.0.1
Last Released	August 19, 2015	November 19, 2015	December 11, 2014
Website	v4-alpha.getbootstrap.com	foundation.zurb.com/sites	getskeleton.com
GitHub	github.com/twbs/bootstrap	github.com/zurb/foundation-sites	github.com/dhgamache/Skeleton
Creator	Mark Otto and Jacob Thornton at Twitter	ZURB	Dave Gamache
License	MIT License	MIT License	MIT License

I am willing to bet Skeleton won't stay on this list.

<https://www.vermilion.com/responsive-comparison/>

Cont'd

Browser Support	Mobile <ul style="list-style-type: none">• Chrome - Android and iOS• Firefox - Android• Safari - iOS• Android Browser & WebView - Android Desktop <ul style="list-style-type: none">• Chrome - Mac/Win• Firefox - Mac/Win• IE9+ - Win (<u>IE9 limitations</u>)• Opera - Mac/Win• Safari - Mac <p>“Unofficially, Bootstrap should look and behave well enough in Chromium and Chrome for Linux, Firefox for Linux, and Internet Explorer 8 and below, though they are not officially supported.” -<u>Bootstrap 4 Docs</u></p>	<ul style="list-style-type: none">• Last Two Versions of:<ul style="list-style-type: none">◦ Chrome◦ Firefox◦ Safari◦ Opera◦ Mobile Safari◦ IE Mobile• IE 9+• Android Browser 2.3+	Latest and previous versions of Chrome, Firefox, Opera, and Safari; IE9+
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Looking Forward

“It’s possible to create a framework that offers the best of both worlds: simplicity for small projects and a full-featured stack for large projects.”

~Evan You, pg 62 article in The JavaScript Handbook



Review and Thank You

Course Objectives

At the conclusion of the course, participants should be able to:

- Create responsive, mobile ready website using Twitter Bootstrap Open Source Framework*
- Review and discuss the current popular frameworks and compare to Bootstrap
- Develop a working knowledge of media queries for the best delivery across all devices
- Effectively customize HTML/CSS design patterns for navigation, grids, etc
- Implement and customize jQuery and other JavaScript widgets for dynamic and semantically correct websites.
- Understand how to evaluate new widgets for web design best practices
- Evaluate other special application JavaScript libraries for mapping, graphing, gaming, etc.

*Advanced students may choose another framework at the discretion of the instructor