



RWD

Class 11

Overview

HTML Wireframes Review (10 min)

Layout/Media Query Assignment Review (15 min)

Becoming Responsive (with JavaScript) (30 min)

Break (5 min)

Performance and Progressive Enhancement (20 min)

Performance and Usability Testing Assignment (15 min)

HTML/CSS Prototype/Templates (15 min)

Templates & Jekyll Hands On + Group Project Management (45 min)



HTML Wireframes Review

www.rwdkent.com/class/assignments/wireframes



Layout/Media Queries Review



Becoming Responsive

Responsive Process



**Can we determine a user's
website goals once we know
a user is on mobile vs.
desktop?**



**How can design and
development become more
collaborative in a responsive
design project?**



**How can we organize our
CSS for both better mobile
performance and
maintainability?**



Performance & Progressive Enhancement

Fast Enough, Loading RWD Fast as Heck, Progressive Enhancement



What is Progressive Enhancement and Why Is It Important?



What is Progressive Enhancement and Why Is It Important?



JavaScript



JavaScript is a programming language for adding interactivity and state changes to your web site.



Dynamically loading new content or content from other sources (AJAX, web fonts)

Animation/Movement of page elements

Change an element in some way based on some condition

Validating input values of forms

Transmitting information about browsing activity (analytics, ad tracking, personalization)



JavaScript can be disabled in browsers. Usually unavailable to screen readers.



JavaScript can significantly increase
page load time and CPU usage
when not used efficiently.



Inline JavaScript

```
<script>  
JavaScript Goes Here  
</script>
```



External JavaScript

```
<script src="scripts.js">  
</script>
```



Simple JavaScript Example

[http://codepen.io/challahan/
pen/JYmqLX](http://codepen.io/challahan/pen/JYmqLX)



jQuery is an open source library of JavaScript files that makes implementing JavaScript easier. jQuery is not part of browser by default - must be loaded.



Many third-party JavaScript plugins
(galleries, etc) require jQuery in
order to work.



jQuery Slider Plugin Example

<http://codepen.io/challahan/pen/jbejNj>



Modernizer.js is a library that allows you to test for certain browser features, then only use those features on capable browsers.

<https://modernizr.com>



Jekyll and Preprocessors

Using Tools to Speed Up Development



Performance & Usability Testing

www.rwdkent.com/class/assignments/testing



HTML Templates/Prototypes

www.rwdkent.com/class/assignments/templates

