RWD

Class 11

KENT STATE UNIVERSITY

@rwdkent

IDEABASE
Powered by Kent State students.

Overview

Layout/Media Query 2 Assignment Review (30 min)

Becoming Responsive & JavaScript (10 min)

Performance and Progressive Enhancement (10 min)

Common Responsive Patterns (25 min)

Break (5 min)

Performance and Usability Testing Assignment (10 min)

HTML/CSS Prototype/Templates (10 min)

Wireframes Hands-On (45 min)

Layout/Media Queries 2 Review

Becoming Responsive

Responsive Process

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

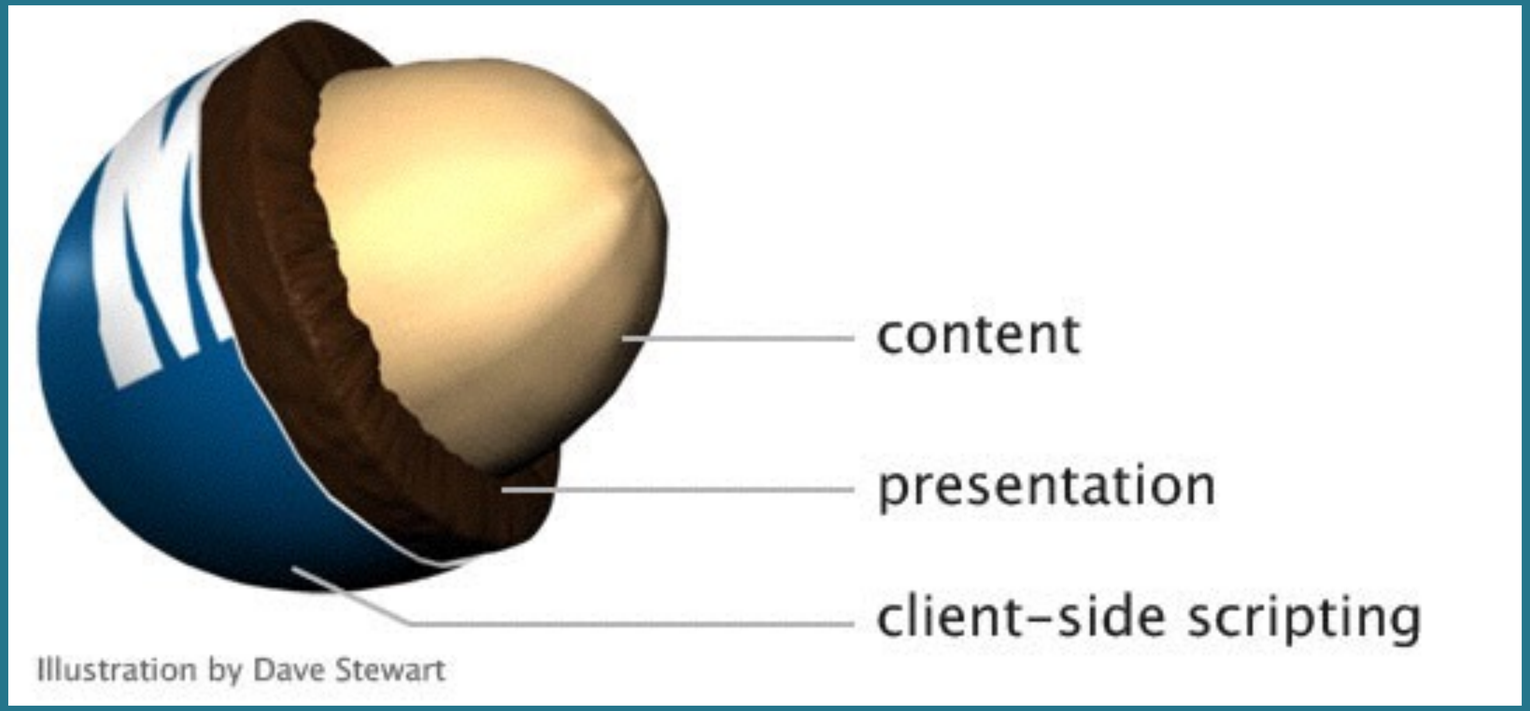
How can design and development become more collaborative in a responsive design project?

Performance & Progressive Enhancement

Fast Enough, Loading RWD Fast as Heck, Progressive Enhancement

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

What is Progressive Enhancement and why is it important?


content
presentation
client-side scripting
Illustration by Dave Stewart

A Progressively Enhanced website should still provide the core content with CSS and JavaScript disabled.

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

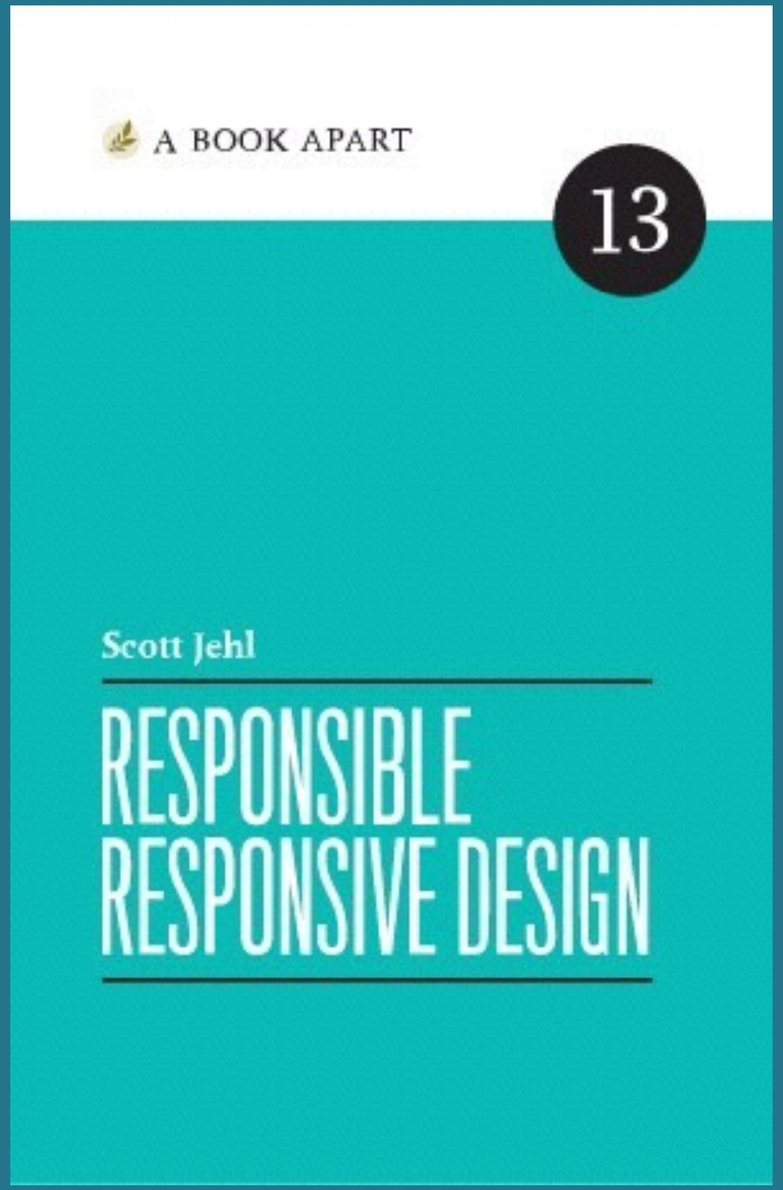
http://codepen.io/challahan/pen/JYmqLX

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.

Performance

How Can We Make Sure Pages Load Quickly?


A BOOK APART
13
Scott Jehl
RESPONSIBLE
RESPONSIVE DESIGN

Preprocessors

Using Tools to Speed Up Development

A CSS preprocessor is a tool that provides shortcuts for writing CSS.

You write in the preprocessor language and a command converts your rules to a regular CSS file.

Popular CSS Preprocessors:

SASS (SCSS)
LESS
Stylus

Features:

Nesting
Variables
Partials
Extends / Mixins
Logic
Output Styles

SASS Demo

http://codepen.io/challahan/pen/YyRXWG?editors=110

Common RWD Patterns Examples

http://www.rwdkent.com/common-patterns

Performance & Usability Testing Assignment

www.rwdkent.com/class/assignments/testing

HTML/CSS Templates/ Prototypes

www.rwdkent.com/class/assignments/templates