

What is Responsive Design and Why Do We Need It?

The go to article:

- <http://alistapart.com/article/responsive-web-design>

Great slide deck on what responsive design is:

- <http://johnpolacek.github.io/scrolldeck.js/decks/responsive/>

Here's a short article on the Google blog about deciding on responsive design:

- <http://googlemobileads.blogspot.com/2012/07/mobile-websites-vs-responsive-design.html>

Great infographic on understanding responsive design:

- <http://enfuzed.com/10-tips-about-responsive-design-infographic/>

Long article that goes into more sticky detail on what RD is:

- <http://coding.smashingmagazine.com/2011/01/12/guidelines-for-responsive-web-design/>

Great points on thinking about responsive design:

- <http://www.lukew.com/ff/entry.asp?1617>

Get your juices flowing with some awesome examples:

- <http://www.awwwards.com/websites/responsive-design/>

Huge responsive resource list:

- <http://bradfrost.github.io/this-is-responsive/resources.html>

Another phenomenal responsive resource list:

- <http://mobilewebbestpractices.com/resources/>

The Different Methods of Mobile Optimization

Here's the site I showed that underscores the generic types of mobile optimization (not all of them):

- <http://liquidaptive.com/>

How to approach a responsive design:

- <http://upstatement.com/blog/2012/01/how-to-approach-a-responsive-design/>

What are CSS Media Queries and Breakpoints?

Bunches of example sites that are responsive and use media queries:

- <http://mediaqueri.es/>

Here is a good conversation on what breakpoints to use as a starting point:

- <http://www.1stwebdesigner.com/design/overview-of-breakpoints-in-responsive-web-design/>

Here's a visual of device sizings to see the different "breakpoints":

- <http://viljamis.com/blog/2012/responsive-workflow/device-map-2012.pdf>

Understanding mobile first design

Here's some reading to go along with your video viewing:

- <http://www.lukew.com/ff/entry.asp?1707>

Good article with links to good books on responsive design:

- <http://bradfrostweb.com/blog/web/mobile-first-responsive-web-design/>
- <http://bradfrostweb.com/blog/mobile/the-many-faces-of-mobile-first/>

A quick summary article that shows why we care about mobile:

- <http://www.zdnet.com/blog/forrester/what-design-for-mobile-first-really-means/867>

What Are Fluid Grids?

Here are a few of the fluid grids I show in the class:

- <http://foundation.zurb.com/>
- <http://grids.heroku.com/>
- <http://stuffandnonsense.co.uk/projects/rock-hammer/>
- <http://gridpak.com/>

Methods for planning (workflows)

Here's an article on the new methods for workflow:

- <http://viljamis.com/blog/2012/responsive-workflow/>

Google recommends a responsive site:

- <http://googlewebmastercentral.blogspot.com/2012/06/recommendations-for-building-smart-phone.html>

This is a dated article, but well written on the process for creating the BostonGlobe site:

- <http://upstatement.com/blog/2012/01/how-to-approach-a-responsive-design/>

The responsive design workflow (generic):

- <http://www.lukew.com/ff/entry.asp?1353>

Explore the starting HTML5 page

Here is an HTML5 fix for Internet Explorer (to make it work):

- <https://code.google.com/p/html5shiv/>

Here is a CSS reset that a lot of the frameworks use:

- <https://github.com/necolas/normalize.css>

Here is the simpler CSS "reset" that we use:

- <http://meyerweb.com/eric/tools/css/reset/>

Understanding what a viewport is and setting the viewport meta tag

Here's how Apple (who originally came up with it) describes a viewport:

- <https://developer.apple.com/library/safari/documentation/AppleApplications/Reference/Safari-WebContent/UsingtheViewport/UsingtheViewport.html>

Adding the main layout elements

Here is a CSS reset that a lot of the frameworks use (REPEAT LINK from earlier):

- <https://github.com/necolas/normalize.css>

Here's the CSS Reset we use (REPEAT LINK from earlier):

- <http://meyerweb.com/eric/tools/css/reset/>

Here's the clearfix hack we use:

- <http://nicolasgallagher.com/micro-clearfix-hack/>

A few of the calculators you can use:

- <http://www.responsivegridsystem.com/calculator/>
- <http://www.29digital.net/grid/>
- <http://gridcalculator.dk/>

Adding basic media queries (and discussing breakpoints)

Here is a good conversation on what breakpoints to use:

- <http://www.smashingmagazine.com/2013/03/01/logical-breakpoints-responsive-design/>

Here's a visual of device sizings (REPEAT LINK from earlier):

- <http://viljamis.com/blog/2012/responsive-workflow/device-map-2012.pdf>

IE 8 and earlier have no idea what media queries are. If you need to support them, you can use this (one example):

- <https://github.com/scottjehl/Respond>

Testing your design

Here are a few places you can "test":

- <http://www.responsinator.com/>
- <http://lab.maltewassermann.com/viewport-resizer/>
- <http://www.responsiview.com/>
- <http://www.dimensionsapp.com/>

Local servers for testing:

- MAMP (Mac OS) <http://www.mamp.info/en/index.html>
- XAMPP (Windows) <http://www.apachefriends.org/en/xampp.html>

Learn about Adobe Edge Inspect

- <http://html.adobe.com/edge/inspect/>

Starting with text

Why do we use EMs for sizing?

- <http://css-tricks.com/why-ems/>

Discusses pixels vs ems vs point sizing:

- <http://kyleschaeffer.com/development/css-font-size-em-vs-px-vs-pt-vs/>

Talks about REMs:

- http://snook.ca/archives/html_and_css/font-size-with-rem

Adding hosted fonts

Here is one place where you can find fonts:

- <http://www.fontsquirrel.com/>

You can also use a service like Typekit (or other):

- <https://typekit.com/>

Inserting responsive images (placed and background)

Need placeholder images? Try kittens:

- <http://placekitten.com/>

The article I show in the Video intro:

- <http://mobile.smashingmagazine.com/2013/07/08/choosing-a-responsive-image-solution/>

A list of responsive image solutions to let you know that we aren't close to finding a solution:

- <https://docs.google.com/spreadsheets/ccc?key=0Al0l17fOl9DdDgxTFVoRzFpV3VCdHk2NTBmdVI-2OXc#gid=0>

Great resource for checking out browser support for CSS, etc:

- <http://caniuse.com/#search=background-size>

Advanced PHP solution for making images "responsive":

- <http://adaptive-images.com/>

Mozilla background-size info for bg images:

- <https://developer.mozilla.org/en-US/docs/Web/CSS/background-size>

Grab CSS properties:

- <http://css3please.com/>

A responsive image "polyfill" (fix) called Picturefill:

- <https://github.com/scottjehl/picturefill>

Understanding responsive navigation

Here are a few sites to learn more about the different types of mobile navigation:

- <http://bradfrostweb.com/blog/web/responsive-nav-patterns/>
- <http://responsivenavigation.net/>
- <http://webdesignerwall.com/tutorials/css-responsive-navigation-menu>
- <http://webdesign.tutsplus.com/tutorials/htmlcss-tutorials/a-simple-responsive-mobile-first-navigation/>

Adding navigation and making it responsive

Here's a cool menu to show you that you don't need to reinvent the wheel:

- <http://responsivemobilemenu.com/en/>

Adding HTML5 video

The Video code explanation:

- http://camendesign.com/code/video_for_everybody

Where we get our Video code from:

- <http://v4e.thewikies.com/>

Simple, free Video converter:

- <http://www.mirovideoconverter.com/>

Making that Video responsive

The fitvids code we use:

- <http://fitvidsjs.com/>

Simple responsive code for you own videos:

- <http://webdesignerwall.com/tutorials/css-elastic-videos>

Inserting a responsive JQuery slideshow

The responsive slideshow we will use:

- <http://responsiveslides.com/>
- Another: <http://www.woothemes.com/flexslider/>

Exploring other responsive templates, boilerplates, and frameworks

Here are a few responsive templates and frameworks:

- <http://foundation.zurb.com/>
- <http://www.responsivegridsystem.com/>
- <http://malarkey.github.io/Rock-Hammer/#rock-hammer>
- <http://html5boilerplate.com/>
- <http://getbootstrap.com/>
- <http://www.getskeleton.com/>

Wireframing/Prototyping

- <http://www.axure.com/>
- <http://www.invisionapp.com/>
- <http://www.hotgloo.com/>
- <https://marvelapp.com/>
- <https://proto.io/en/tour/>

Testing

Testing on Mac for iOS devices

- <https://developer.apple.com/xcode/>

Paid teting service

- <https://www.browserstack.com/>

Android testing

- <http://developer.android.com/tools/studio/index.html>

Another method for testing Windows (both work together)

- <https://www.virtualbox.org/>
- <https://www.modern.ie/en-us>