

CURRICULUM DESIGN

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Twitter Bootstrap Workshop



Jen Kramer • Fluent 2013 • May 28, 2013

Bootstrap: Got files & software?



- Download files:
www.jenkramer.org/fluent-2013-workshop
- Can't get online? Find Hulk or Thor and copy files to computer (they are the same)
- Unzip files on desktop – will be in a folder called bootstrap-workshop
- Software: need editor and LESS compiler. I'm using [SimpLESS](#)

About me



HARVARD EXTENSION SCHOOL



Center for Digital Imaging Arts



It's all about mobile



Need to convince the boss?

It's all about mobile

- ☞ Smartphone sales to hit 1bn a year for first time in 2013
- ☞ “The smartphone is predicted to become a mass market phenomenon this year, with annual shipments soaring to 1bn globally for the first time, although a fifth of the devices will rarely be used to go online.”
- ☞ “In 2013...the number of active phones with either a touch screen or an alphabet keyboard to 2bn by the end of the year.”



It's all about mobile

Mashable

SOCIAL MEDIA ▼

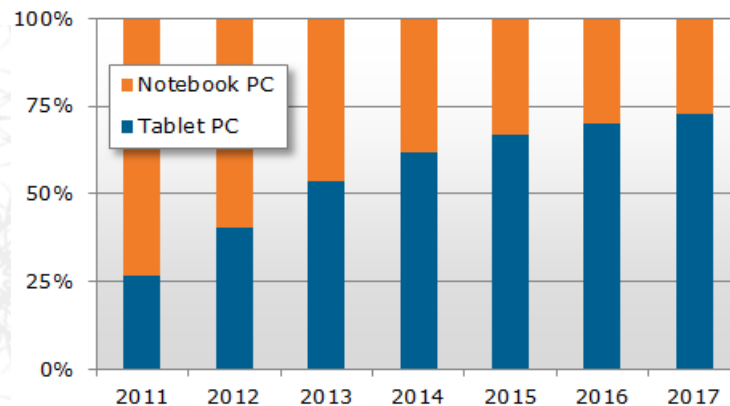
TECH ▼

BUSINESS ▼

ENTERTAINMENT ▼

MORE ▼

Tablets Will Outsell Notebooks in 2013 for First Time Ever



mashable.com/2013/01/08/tablets-outsell-notebooks/

It's all about mobile



Two (big) approaches to mobile

- ∞ Build a separate mobile-compatible website or mobile app (or both)
- ∞ Responsive Design
- ∞ [A comparison of methods for building mobile-optimized websites](#)



Responsive Design

Defined by three characteristics

- Flexible grid-based layout
- Images that resize
- Media queries (CSS3)

www.alistapart.com/articles/responsive-web-design/



What is Bootstrap?

- ✎ Twitter Bootstrap is a responsive design framework for building web sites and web applications.
- ✎ It is the most popular project in [GitHub](#) and is used by [NASA](#) and [MSNBC](#) among others.

wikipedia.org/wiki/Twitter_Bootstrap



What is Bootstrap 2.3.2?

- ✎ Two grid-based systems, one adaptive, one fully responsive
- ✎ Base CSS includes standardized styling for forms, buttons, images, headings, navigation systems, etc.
- ✎ jQuery-driven components include dropdown menus, tooltips, popovers, alerts, image carousel, accordion panels, etc.

What is Bootstrap 2.3.2?

- ✧ HTML: HTML5
- ✧ CSS: Minified CSS, one or two files. Uses LESS.
- ✧ Javascript: One minified file, plus link to the latest version of jQuery
- ✧ Images: Glyphicons (140 available) as image sprite, light and dark versions
- ✧ Documentation available: getbootstrap.com

What is Bootstrap 3?

- ✧ Mobile-first approach
- ✧ Single (responsive) grid system, adding a small grid
- ✧ Dropping support for IE7 and FF 3.6 (and removing hacks to support them)
- ✧ Font icons, dropping old PNG icons
- ✧ Redesigned the Carousel, add Panels and List Groups
- ✧ [GitHub pull request](#) (they are almost done)

Bootstrap competitors



getbootstrap.com



foundation.zurb.com

[15 More Responsive CSS Frameworks Worth Considering](#)

[Framework Fight: Zurb Foundation vs Twitter Bootstrap](#)

Who uses Bootstrap?

☞ Joomla (open source CMS) integrated Bootstrap into version 3.

☞ [Bootstrap unofficial showcase](#)

☞ [Love Bootstrap](#)

☞ [Bootstrap Expo](#)

☞ A few big names:

- [State of Kentucky](#)
- [code.NASA](#) (with WordPress)
- [Michael's](#) craft store
- [Fender](#) guitars
- [StumbleUpon](#)
- [Salvation Army](#) (Midwest)
- [Medicare.gov](#)
- [Disqus](#)
- [Delicious](#)

Let's code!



<http://jenkramer.org/fluently-2013-workshop> : Files, software links, and examples here

Questions?

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Slides available at

www.slideshare.net/jen4web

Code files available at:

www.jenkramer.org/fluent-2013-workshop