Twitter Bootstrap

Cenk Baykal, Ibrahim Hawari, James Ding
Brief Background

• Framework for developing responsive, aesthetically pleasing websites
  o Easy to setup and use
  o Open-source

• Ability to transform a plain website to a fancy-looking one within minutes
History

• Developed by Mark Otto and Jacob Thornton at Twitter
  o Wanted to encourage consistency across internal tools
  o Multiple frameworks for interface development => inconsistencies and high maintenance

• Objective: create a unified interface library
  o Introduced in Hack Week at Twitter in 2011
  o Became open-source in 2012
Motivation

• Open-source
  o Currently most starred project on GitHub (since 2012)

• Easy to setup and use
  o Minimal work and time required in setting up a good looking website

• One Framework, Every Device
  o Employs responsive web design
  o Works on every modern browser

• Has a huge user base including MSNBC and NASA

• Examples requiring minimal effort...
Bootstrap starter template

Use this document as a way to quick start any new project.
All you get is this message and a barebones HTML document.
Hello, world!

This is a template for a simple marketing or informational website. It includes a large callout called a jumbotron and three supporting pieces of content. Use it as a starting point to create something more unique.

Learn more »

Buttons

- Default
- Primary
- Success
- Info
- Warning
- Danger
- Link
Please sign in

Email address

Password

Remember me

Sign in
Dashboard

Section title

<table>
<thead>
<tr>
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Marketing stuff!

Cras justo odio, dapibus ac facilisis in, egestas eget quam. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet.

Get started today

Safari bug warning!
As of v7.0.1, Safari exhibits a bug in which resizing your browser horizontally causes rendering errors in the justified nav that are cleared upon refreshing.

Heading
Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod.

Heading
Donec sed odio dui. Cras justo odio, dapibus ac facilisis in, egestas eget quam. Vestibulum id ligula porta felis euismod semper. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum
Example headline.
Cras justo odio, dapibus ac facilisis in, egestas eget quam.
Donec id elit non mi porta gravida at eget metus.
Nullam id dolor id nibh ultricies vehicula ut id elit.

Sign up today
Pathway Commons

Search and visualize public biological pathway information. Single point of access.

Pathway Commons is a network biology resource and acts as a convenient point of access to biological pathway information collected from public pathway databases, which you can search, visualize and download. All data is freely available, under the license terms of each contributing database.

For biologists

Search, visualize and download Pathway Commons pathways as part of an integrated network analysis (more)
Your Awesome Domain Name Is Waiting...

[Generate]

Try: music, video, best, apps, pay*, pr?, let it be, app*.z

6M+ Words Net, 20+ Generators & Some Fun!

**COMMON**
Check availability of the most common tlds including com, net, org. Also, checks the hyphenated version of your preferred domain name.

**NEW**
Check domain availability of the new gtds that have been launched and have entered general availability. These tlds include .email, .link, domains and many more. New gtds are added as they are launched.

**SHORT**
Create short domain names by overlapping the keywords with the tlds, like delicious, focus, cities etc.

**EXTRA**
Check domain names with some other popular tlds like co, io, it, mobi, name, me, ly and many more.

**SIMILAR**

**SEO**

**FUN**
Use various techniques to creatively modify.

**MIX**
Generate domain by mixing in other.
What is it?

• Collection of HTML, CSS, and JS tools to design websites
  o Essentially, a set of .css and .js files that facilitate user interface development

• Provides pre-written CSS styles, classes, etc. that beautify plain-old HTML elements
  o Button groups, dropdowns, nav bars, tabs, alerts, etc.

• Contains JS for more elaborate widgets
  o Modals, togglable tabs, popovers, alert messages, collapsable tabs, carousel, etc.
CSS Components

- Do not need JavaScript to utilize these components
JavaScript Components

- Note: JS components require the jQuery library
You can also leverage bootstrap templates in order to expedite the visual enhancement of your website

Transformation of Our Website (Old)
Transformation of Our Website (New)
Live Demo
How to Get Started

• Download zip file from http://getbootstrap.com/

• Include CSS
  o <link href="css/bootstrap.css" rel="stylesheet">

• Include JS (Optional)
  o <script src="js/bootstrap.js"></script>

• Add appropriate classes to HTML elements
  o <div class="navbar"> ... </div>

• You’re done!
But I Don’t Like the Default Color...

• Option 1
  o You have the CSS files, so you can make manual adjustments to Bootstrap

• Option 2
  o Customize your own Bootstrap
  o Specify whichever widgets, default font sizes, colors, padding, margins, etc. you want
Conclusion

• Twitter Bootstrap is an open-source, unified framework for designing interfaces

• Enables you to
  o Create aesthetically-pleasing websites quickly
  o Create websites that are responsive
  o Not worry about cross-browser conformity (for modern browsers)
  o Not worry about tinkering with CSS (color matching, getting borders right, etc.)
  o Minimize “grunt work”
Additional Resources

- http://getbootstrap.com/
- http://bootstrapdocs.com/
- http://builtwithbootstrap.com/
- http://www.sitepoint.com/twitter-bootstrap-tutorial-handling-complex-designs/
- http://www.w3resource.com/twitter-bootstrap/tutorial.php
Thank you