

Get a Leg Up with Twitter Bootstrap

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Rich Client Challenges



- Bootstrap
 - Make it pretty
 - Make it look right under IE
- Bootstrap.js + jQuery
 - Make it *interact* right
 - Make it work right under IE

The screenshot shows the homepage of the CoffeeScript website (coffeescript.org). At the top, there's a yellow banner with a black exclamation mark icon and the word "CAUTION". Below the banner, the title "Caution: CoffeeScript" is displayed in large white letters. The main content area has a dark background with a grid pattern. At the top of this area, there's a navigation bar with icons for search, refresh, and other browser functions. Below the navigation bar, there's a header with the "CoffeeScript" logo and links for "TABLE OF CONTENTS", "TRY COFFEESCRIPT", and "ANNOTATED SOURCE". The main text on the page discusses what CoffeeScript is and how it relates to JavaScript. It mentions the golden rule: "It's just JavaScript". It also highlights that CoffeeScript compiles one-to-one into JavaScript, can use existing JavaScript libraries, and passes through JavaScript Lint without warnings. A note at the bottom indicates the latest version is 1.3.3. Below this, there's a section titled "Overview" with a sub-section "CoffeeScript on the left, compiled JavaScript output on the right." This section shows a comparison between CoffeeScript code on the left and its corresponding JavaScript output on the right. The CoffeeScript code includes assignments, conditions, and functions, while the JavaScript output uses standard syntax like `var`, `if`, and `for`.

CAUTION

Caution: CoffeeScript

CoffeeScript

TABLE OF CONTENTS TRY COFFEESCRIPT ANNOTATED SOURCE

CoffeeScript is a little language that compiles into **JavaScript**. Underneath all those awkward braces and semicolons, JavaScript has always had a gorgeous object model at its heart. CoffeeScript is an attempt to expose the good parts of JavaScript in a simple way.

The golden rule of CoffeeScript is: *"It's just JavaScript"*. The code compiles one-to-one into the equivalent JS, and there is no interpretation at runtime. You can use any existing JavaScript library seamlessly from CoffeeScript (and vice-versa). The compiled output is readable and pretty-printed, passes through [JavaScript Lint](#) without warnings, will work in every JavaScript runtime, and tends to run as fast or faster than the equivalent handwritten JavaScript.

Latest Version: [1.3.3](#)

Overview

CoffeeScript on the left, compiled JavaScript output on the right.

```
# Assignment:  
number = 42  
opposite = true  
  
# Conditions:  
number = -42 if opposite  
  
# Functions:  
  
var cubes, list, math, num, number, opposite, race, square,  
  __slice = [].slice;  
  
number = 42;  
  
opposite = true;  
  
if (opposite) {  
  race();  
}  
else {  
  square();  
}
```

Caution: CoffeeScript

- CoffeeScript
 - ⇒ “... a little language that compiles into JavaScript”
- Concise and readable
- Optional parenthesis
- Implicit returns
- Concise function definitions

CoffeeScript: Invoking Functions

```
$(".x-cancel").tooltip "hide"
```

```
$(".x-cancel").tooltip("hide")
```

```
collection.add new Quiz(originalModel),  
  at: 0
```

```
collection.add(new Quiz(originalModel), {  
  at: 0  
});
```

CoffeeScript: Defining Functions

```
(x,y) -> x * y
```

```
function (x, y) {  
    return x * y;  
}
```

```
_map list, (x) -> 2 * x
```

```
_map(list, function(x) {  
    return 2 * x;  
});
```

```
$(".dontclick").click (event) ->  
    event.stopPropogation()  
    alert "Don't Click!"
```

```
$(".dontclick").click(function(event) {  
    event.stopPropogation();  
    return alert("Don't Click!");  
});
```

The screenshot shows a web browser window displaying the CoffeeScript.org website. The page has a header with the CoffeeScript logo and navigation links for 'TABLE OF CONTENTS', 'TRY COFFEESCRIPT', and 'ANNOTATED SOURCE'. Below the header is a code editor area containing CoffeeScript code for calculating Fibonacci numbers. To the right of the code editor is a panel showing the generated JavaScript output. At the bottom of the page, there is a footer with the text '# Objects:' followed by a list of objects.

```
fib = (x) -> #colors, JavaScript has always had a gorgeous object model, but it's not forward-compatible with other languages. So we've added a few more features to make it even better.
switch x
  when 0 then 0
  when 1 then 1
  else fib(x - 1) + fib(x - 2)
#The good news is that you can now write "it's just JavaScript". The code compiler will take care of the rest.
#equivalent handwritten JavaScript would look like this, but would require compilation at runtime. You can use any existing JavaScript library.
#seamlessly from CoffeeScript (and vice-versa). The compiled output is readable, easily printed,
#passes through JavaScript Lint without warnings, will work in every JavaScript environment,
#and tends to run as fast or faster than the equivalent handwritten JavaScript.
var fib; heart;
fib = function(x) {
  switch (x) {
    case 0:
      return 0;
    case 1:
      return 1;
    default:
      return fib(x - 1) + fib(x - 2);
  };
};

Latest Version: 1.2.0
```

```
var cubes, list, math, num, number, opposite, race, square, __slice = Array.prototype.slice;
number = 42;
opposite = true;

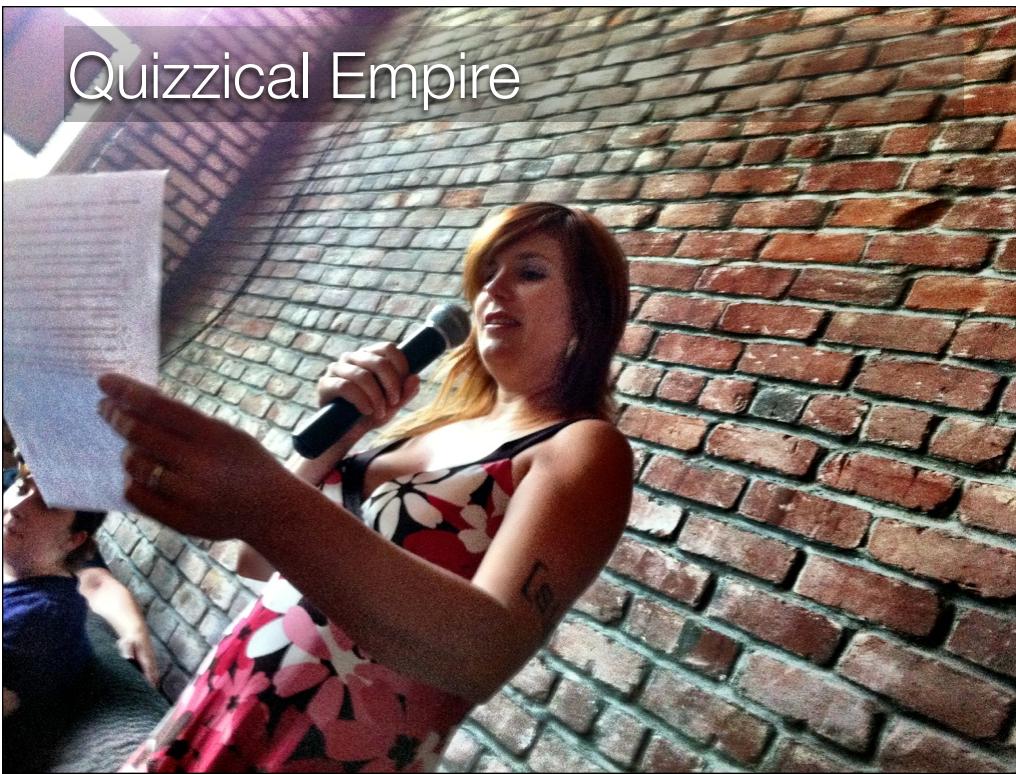
if (opposite) {
  number = -42; // opposite

  if (opposite) {
    square = (x) -> x * x
  }
}

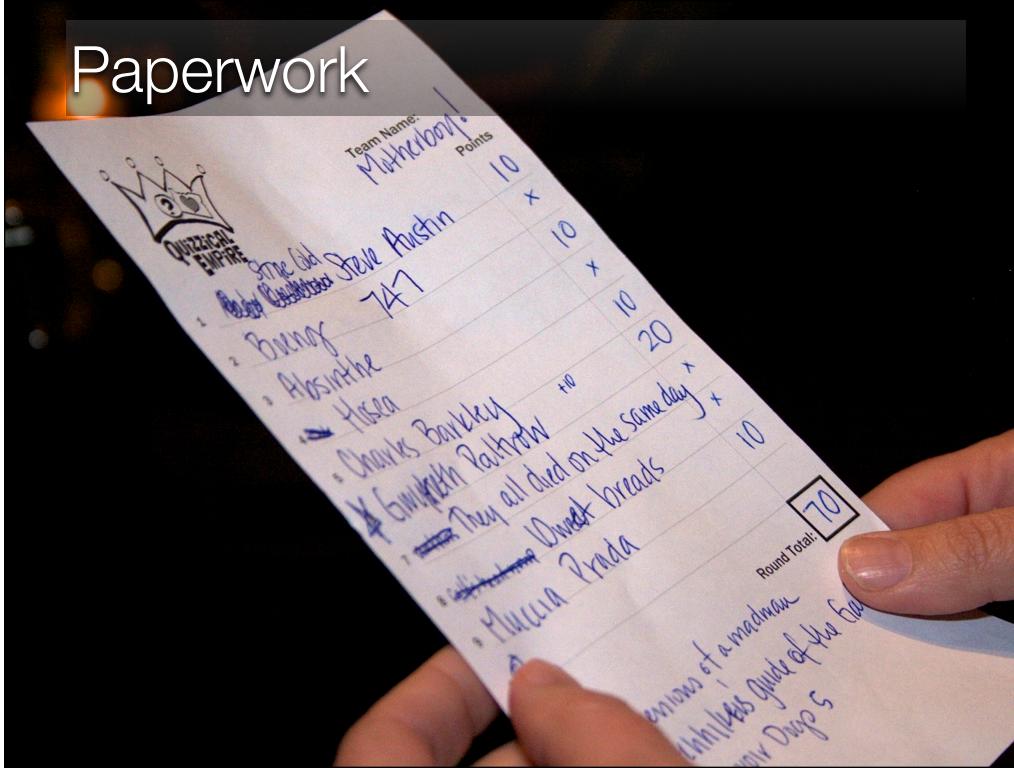
cubes = [1, 8, 27, 64, 125];
list = [1, 2, 3, 4, 5];
```

Objects:

Quizzical Empire



Paperwork



Quizzical Empire

localhost:5000/?#

Quizzical Empire

Title	Location	Created	
Test Quiz # 88	Undisclosed	2012-04-05T01:17-14.056Z	Edit Delete
Test Quiz # 89	Undisclosed	2012-04-05T01:	Edit Delete
Test Quiz # 90	Undisclosed	2012-04-05T01:	Edit Delete
Test Quiz # 91	Undisclosed	2012-04-05T01:	Edit Delete
Test Quiz # 77	Undisclosed	2012-04-05T01:	Edit Delete
Test Quiz # 4	Undisclosed	2012-04-05T01:	Edit Delete
Quiz #2	Main St.	2012-03-23T22:03:29.165Z	Edit Delete
My Quiz	Portland	2012-03-23T22:01:06.370Z	Edit Delete
By Hand		2012-03-13T22:41:48.624Z	Edit Delete

[Create New Quiz](#) [Create Test Quizzes](#)

The page at localhost:5000 says:
Really delete Quiz?

Cancel OK

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Quizzical Empire

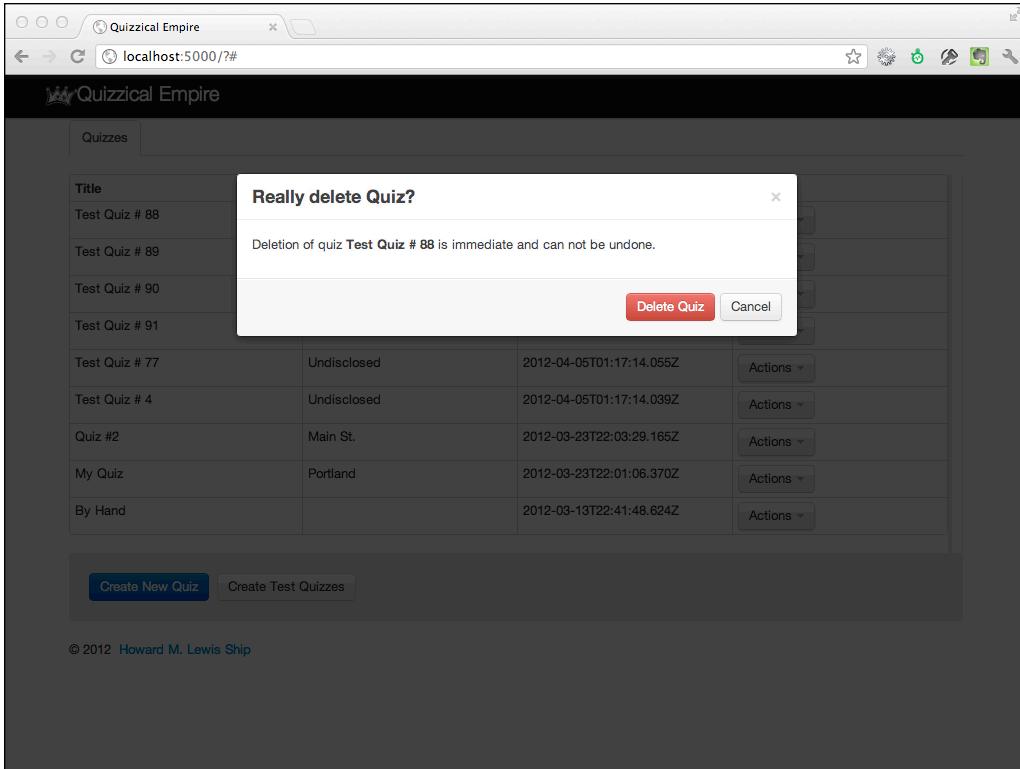
localhost:5000/?#

Quizzes

Title	Location	Created	
Test Quiz # 88	Undisclosed	2012-04-05T01:17:14.056Z	<button>Actions</button>
Test Quiz # 89	Undisclosed	2012-04-05T01:17:14.056Z	<button>Actions</button>
Test Quiz # 90	Undisclosed	2012-04-05T01:17:14.056Z	<button>Actions</button>
Test Quiz # 91	Undisclosed	2012-04-05T01:17:14.056Z	<button>Actions</button>
Test Quiz # 77	Undisclosed	2012-04-05T01:17:14.055Z	<button>Actions</button>
Test Quiz # 4	Undisclosed	2012-04-05T01:17:14.039Z	<button>Actions</button>
Quiz #2	Main St.	2012-03-23T22:03:29.165Z	<button>Actions</button>
My Quiz	Portland	2012-03-23T22:01:06.370Z	<button>Actions</button>
By Hand		2012-03-13T22:41:48.624Z	<button>Actions</button>

[Create New Quiz](#) [Create Test Quizzes](#)

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Twitter Bootstrap

- Built by and for nerds
- All skill levels
- Desktop, tablets ... even smartphones and IE
- Custom jQuery Plugins
- Based on LESS for customizability

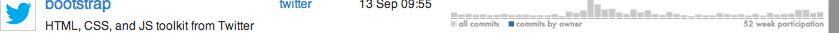
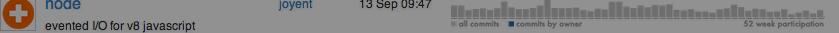
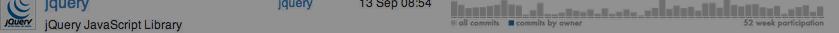
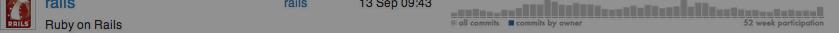
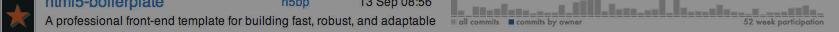
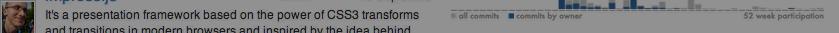
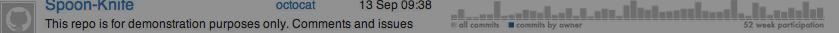
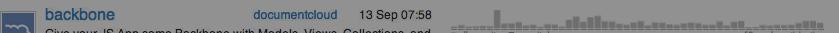
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Popular Starred Repositories

Explore Repositories Languages Timeline Search

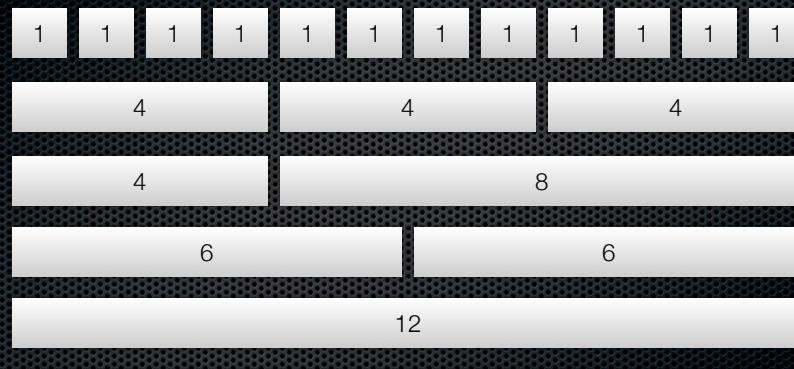
Interesting Popular Forked Popular Starred

 bootstrap	twitter	13 Sep 09:55	
HTML, CSS, and JS toolkit from Twitter			
 node	joyent	13 Sep 09:47	
evented I/O for v8 javascript			
 jquery	jquery	13 Sep 08:54	
jQuery JavaScript Library			
 rails	rails	13 Sep 09:43	
Ruby on Rails			
 html5-boilerplate	h5bp	13 Sep 08:56	
A professional front-end template for building fast, robust, and adaptable web apps or sites.			
 impress.js	barlaz	13 Sep 09:59	
It's a presentation framework based on the power of CSS3 transforms and transitions in modern browsers and inspired by the idea behind prezi.com.			
 Spoon-Knife	octocat	13 Sep 09:38	
This repo is for demonstration purposes only. Comments and issues may or may not be responded to.			
 backbone	documentcloud	13 Sep 07:58	
Give your JS App some Backbone with Models, Views, Collections, and			

Minimal Setup

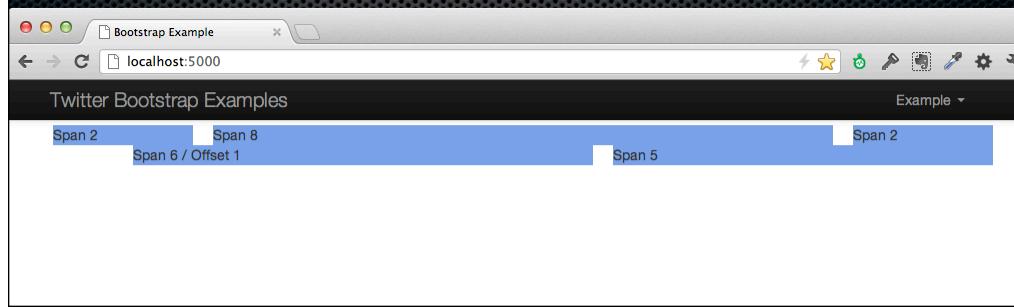
```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="/bootstrap/css/bootstrap.css">
  <script src="/bootstrap/js/bootstrap.js"></script>
</head>
<body>
  ...
</body>
</html>
```

12 Column Grid



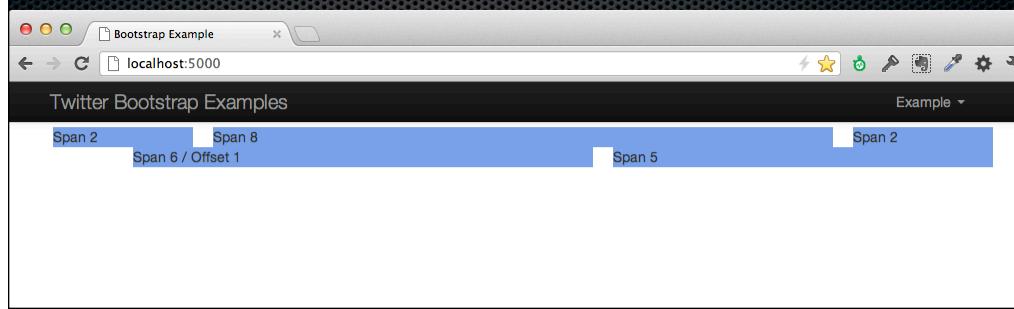
12 Column Grid

```
<div class="container">
  <div class="row">
    <div class="span2">Span 2</div>
    <div class="span8">Span 8</div>
    <div class="span2">Span 2</div>
  </div>
  <div class="row">
    <div class="span6 offset1">Span 6 / Offset 1</div>
    <div class="span5">Span 5</div>
  </div>
</div>
```



12 Column Grid – Jade

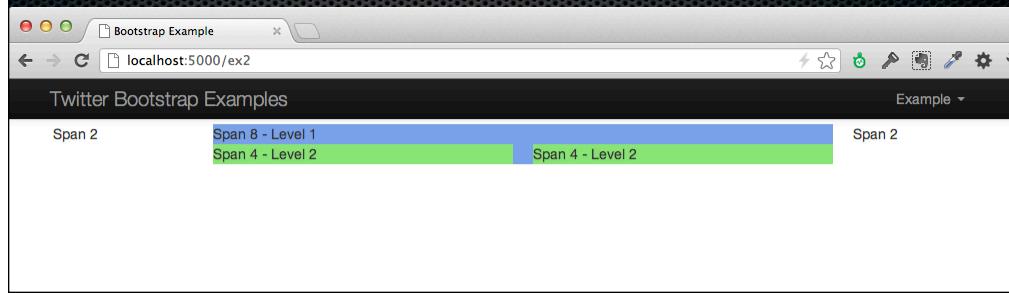
```
.container
  .row
    .span2 Span 2
    .span8 Span 8
    .span2 Span 2
  .row
    .span6.offset1 Span 6 / Offset 1
    .span5 Span 5
```



Nested Rows

```
.container  
  .row  
    .span2 Span 2  
    .span8 Span 8 - Level 1  
      .row  
        .span4 Span 4 - Level 2  
        .span4 Span 4 - Level 2  
    .span2 Span 2
```

Add up to
container
span



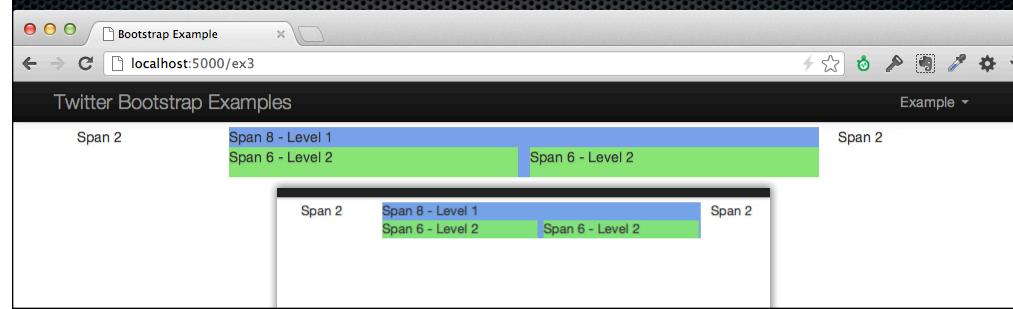
Nested Rows

```
<div class="container">
  <div class="row">
    <div class="span2">Span 2</div>
    <div class="span8">Span 8 – Level 1
      <div class="row">
        <div class="span4">Span 4 – Level 2</div>
        <div class="span4">Span 4 – Level 2</div>
      </div>
    </div>
    <div class="span2">Span 2</div>
  </div>
</div>
```

Fluid Layout

```
.container-fluid  
  .row-fluid  
    .span2 Span 2  
    .span8 Span 8 - Level 1  
      .row-fluid  
        .span6 Span 6 - Level 2  
        .span6 Span 6 - Level 2  
    .span2 Span 2
```

Add up to
12



General Bootstrap Approach

- Basic, *semantic*, markup
- Reasonable default look
- Simple CSS classes: "row", "span3", "offset1"
- Additive: more CSS classes to tune

Tables

```
table.span12.table
caption
| Table with class "
span
|
thead: tr
th.span8 Column A
th Column B
th.span2 Column C
tbody
each row in [1, 2, 3, 4]
tr
each cell in ["A", "B", "C"]
td Cell #{row}-#{cell}
```

```
<table class="span12 table">
  <caption>
    Table with class "<span/>""
  </caption>
  <thead>
    <tr>
      <th class="span8">Column A</th>
      <th>Column B</th>
      <th class="span2">Column C</th>
    </tr>
  </thead>
  <tbody>
    each row in [1, 2, 3, 4]
    <tr>
      each cell in ["A", "B", "C"]
      <td>Cell #{row}-#{cell}</td>
    </tr>
  </tbody>
</table>
```

Bootstrap Example

localhost:5000/ex4

Twitter Bootstrap Examples

Example ▾

table striped bordered hover condensed

Table with class "span12 table"

Column A	Column B	Column C
Cell 1-A	Cell 1-B	Cell 1-C
Cell 2-A	Cell 2-B	Cell 2-C
Cell 3-A	Cell 3-B	Cell 3-C
Cell 4-A	Cell 4-B	Cell 4-C

Bootstrap Example

localhost:5000/ex4

Twitter Bootstrap Examples

Example ▾

table striped bordered hover condensed

Table with class "span12 table table-striped"

Column A	Column B	Column C
Cell 1-A	Cell 1-B	Cell 1-C
Cell 2-A	Cell 2-B	Cell 2-C
Cell 3-A	Cell 3-B	Cell 3-C
Cell 4-A	Cell 4-B	Cell 4-C

Bootstrap Example

localhost:5000/ex4

Twitter Bootstrap Examples

Example ▾

table striped bordered hover condensed

Table with class "span12 table table-striped table-bordered"

Column A	Column B	Column C
Cell 1-A	Cell 1-B	Cell 1-C
Cell 2-A	Cell 2-B	Cell 2-C
Cell 3-A	Cell 3-B	Cell 3-C
Cell 4-A	Cell 4-B	Cell 4-C

Bootstrap Example

localhost:5000/ex4

Twitter Bootstrap Examples

Example ▾

table striped bordered hover condensed

Table with class "span12 table table-bordered table-hover table-striped"

Column A	Column B	Column C
Cell 1-A	Cell 1-B	Cell 1-C
Cell 2-A	Cell 2-B	Cell 2-C
Cell 3-A	Cell 3-B	Cell 3-C
Cell 4-A	Cell 4-B	Cell 4-C

Bootstrap Example

localhost:5000/ex4

Twitter Bootstrap Examples

Example ▾

table striped bordered hover condensed

Table with class "span12 table table-bordered table-hover table-striped table-condensed"

Column A	Column B	Column C
Cell 1-A	Cell 1-B	Cell 1-C
Cell 2-A	Cell 2-B	Cell 2-C
Cell 3-A	Cell 3-B	Cell 3-C
Cell 4-A	Cell 4-B	Cell 4-C

Buttons

Button	class=""	Description
Default	btn	Standard gray button with gradient
Primary	btn btn-primary	Provides extra visual weight and identifies the primary action in a set of buttons
Info	btn btn-info	Used as an alternate to the default styles
Success	btn btn-success	Indicates a successful or positive action
Warning	btn btn-warning	Indicates caution should be taken with this action
Danger	btn btn-danger	Indicates a dangerous or potentially negative action
Inverse	btn btn-inverse	Alternate dark gray button, not tied to a semantic action or use

- Use with:

- <a>
- <button>
- <input type="submit">
- <input type="button">
- <input type="reset">

CSS Class	
btn btn-primary	Primary
btn btn-primary btn-large	Primary
btn btn-primary btn-small	Primary
btn btn-primary btn-mini	Primary
btn btn-primary disabled	Primary

Glyphicons

Y icon-glass	⌚ icon-refresh	✎ icon-pencil	◀ icon-arrow-left
♫ icon-music	📋 icon-list-alt	📍 icon-map-marker	➡ icon-arrow-right
Q icon-search	🔒 icon-lock	ⓘ icon-adjust	↑ icon-arrow-up
✉ icon-envelope	🚩 icon-flag	🎨 icon-tint	⬇ icon-arrow-down
❤ icon-heart	🎧 icon-headphones	✍ icon-edit	↗ icon-share-alt
★ icon-star	⏪ icon-volume-off	☑ icon-share	↖ icon-resize-full
☆ icon-star-empty	⏩ icon-volume-down	☑ icon-check	↗ icon-resize-small
👤 icon-user	⏫ icon-volume-up	✖ icon-move	➕ icon-plus
🎞 icon-film	QR icon-qrcode	⏮ icon-step-backward	➖ icon-minus
#+#+ icon-th-large	Barcode icon-barcode	⏮ icon-fast-backward	* icon-asterisk
#+#+ icon-th	🏷 icon-tag	◀ icon-backward	❗ icon-exclamation-sign
#+#+ icon-th-list	🏷️ icon-tags	▶ icon-play	🎁 icon-gift
✓ icon-ok	📘 icon-book	⏸ icon-pause	🌿 icon-leaf
✗ icon-remove	🔖 icon-bookmark	⏹ icon-stop	🔥 icon-fire
⌚ icon-zoom-in	🖨 icon-print	▶ icon-forward	👁 icon-eye-open
⌚ icon-zoom-out	📷 icon-camera	⏮ icon-fast-forward	瞍 icon-eye-close
🔌 icon-off	A icon-font	▶ icon-step-forward	⚠ icon-warning-sign
📶 icon-signal	B icon-bold	⏏ icon-eject	✈ icon-plane
⚙ icon-cog	I icon-italic	◀ icon-chevron-left	📅 icon-calendar
🗑 icon-trash	HT icon-text-height	▶ icon-chevron-right	🔀 icon-random
🏠 icon-home	T icon-text-width	➕ icon-plus-sign	💬 icon-comment
📄 icon-file	⠇ icon-align-left	➖ icon-minus-sign	🧲 icon-magnet
⌚ icon-time	⠇ icon-align-center	✖ icon-remove-sign	↗ icon-chevron-up
🛣 icon-road	⠇ icon-align-right	☑ icon-ok-sign	↘ icon-chevron-down
⬇ icon-download-alt	⠇ icon-align-justify	ⓘ icon-question-sign	🔃 icon-retweet
⬇ icon-download	⠇ icon-list	ⓘ icon-info-sign	🛒 icon-shopping-cart
⬆ icon-upload	⠇ icon-indent-left	ⓘ icon-screenshot	📁 icon-folder-close
✉ icon-inbox	⠇ icon-indent-right	✖ icon-remove-circle	📁 icon-folder-open
⌚ icon-play-circle	⠃ icon-facetime-video	☑ icon-ok-circle	↑ icon-resize-vertical
⟳ icon-repeat	🖼 icon-picture	✖ icon-ban-circle	↔ icon-resize-horizontal

```
button.btn.btn-danger(data-toggle="modal"  
    data-target="#danger-alert")  
    i.icon-warning-sign.icon-white  
    | Do Not Press
```

 Do Not Press

```
<button class="btn btn-danger" data-toggle="modal"
       data-target="#danger-alert">
  <i class="icon-warning-sign icon-white"/>
  Do Not Press
</button>
```

Forms

A screenshot of a web browser window titled "Bootstrap Example" displaying a registration form. The URL in the address bar is "localhost:5000/ex12". The page title is "Twitter Bootstrap Examples" and the sub-page title is "Example". The form is enclosed in a light gray box with a border. At the top left of the form, there is a label "Form Class:" followed by a checked checkbox next to the text "form-horizontal". Below this, there are two input fields: one for "E-Mail Address" containing "you@hostname.com" and another for "Confirm E-Mail" also containing "you@hostname.com". A small note below the second field says "Confirm your E-mail address by entering it again.". At the bottom of the form is a blue "Register" button.

Form Class: form-horizontal

E-Mail Address:

Confirm E-Mail:

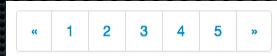
Confirm your E-mail address by entering it again.

Register

```
form#subject
  .control-group
    label.control-label E-Mail Address:
    .controls
      .input-prepend
        span.add-on: i.icon-envelope
        input.input-large#email(type='text',
          placeholder="you@hostname.com")
  .control-group
    label.control-label Confirm E-Mail:
    .controls
      .input-prepend
        span.add-on: i.icon-envelope
        input.input-large#confirm(type='text',
          placeholder="you@hostname.com")
    p.help-block Confirm your E-mail address by entering it again.
  .form-actions
    button.btn.btn-primary Register
```

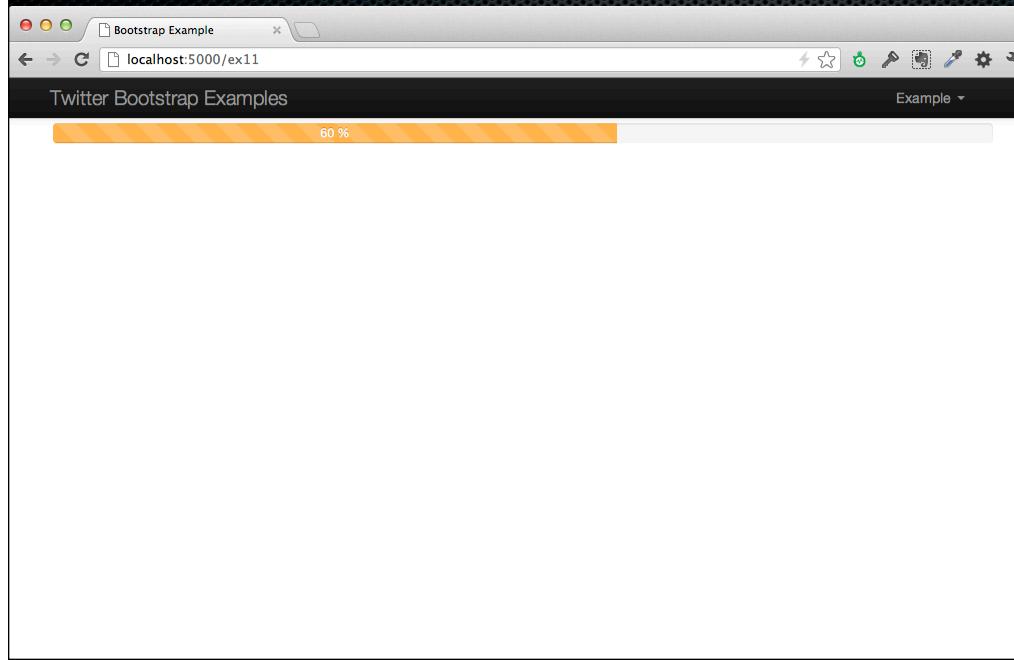
```
<form id="subject" class="form-horizontal">
  <div class="control-group">
    <label class="control-label">E-Mail Address:</label>
    <div class="controls">
      <div class="input-prepend">
        <span class="add-on"><i class="icon-envelope"> </i></span>
        <input id="email" type="text" placeholder="you@hostname.com"
               class="input-large"/>
      </div>
    </div>
  </div>
  <div class="control-group">
    <label class="control-label">Confirm E-Mail:</label>
    <div class="controls">
      <div class="input-prepend">
        <span class="add-on"><i class="icon-envelope"> </i></span>
        <input id="confirm" type="text" placeholder="you@hostname.com"
               class="input-large"/>
      </div>
      <p class="help-block">Confirm your E-mail address by entering it
again.</p>
    </div>
  </div>
  <div class="form-actions">
    <button class="btn btn-primary">Register</button>
  </div>
</form>
```

Pagination



```
.pagination
ul
li: a(href="#") &laquo;
li: a(href="#") 1
li: a(href="#") 2
li: a(href="#") 3
li: a(href="#") 4
li: a(href="#") &raquo;
```

Progress Bar



```
.progress.progress-striped.active  
  .bar
```

```
jQuery ($) ->  
  $bar = $(".bar")  
  
  width = 0  
  
  advance = ->  
    width += 10  
  
    $bar.css("width", "#{width}%").text("#{width} %")  
  
    if width is 60  
      $bar.addClass "bar-warning"  
  
    if width is 90  
      $bar.addClass("bar-danger").removeClass("bar-warning")  
  
    if width < 100  
      window.setTimeout advance, 1000  
  
  advance()
```

Labels and Badges

Labels	Markup
Default	<code>Default</code>
Success	<code>Success</code>
Warning	<code>Warning</code>
Important	<code>Important</code>
Info	<code>Info</code>
Inverse	<code>Inverse</code>

Name	Example	Markup
Default	1	<code>1</code>
Success	2	<code>2</code>
Warning	4	<code>4</code>
Important	6	<code>6</code>
Info	8	<code>8</code>
Inverse	10	<code>10</code>

Bootstrap Components

Tab

Bootstrap Example

localhost:5000/ex6

Twitter Bootstrap Examples

nav-tabs nav-pills nav-list nav-stacked Default Position tabs-left tabs-right

Moe Larry Curly

Moe Howard



```
ul.nav.nav-tabs
li.active: a(href="#moe", data-toggle="tab") Moe
li: a(href="#larry", data-toggle="tab") Larry
li: a(href="#curly", data-toggle="tab") Curly
.tab-content
.tab-pane.active#moe
h1 Moe Howard
img(src="images/moe.jpg")
.tab-pane#larry
h1 Larry Fine
img(src="images/larry.jpg")
.tab-pane#curly
h1 Curly Howard
img(src="images/curly.jpg")
```

Requires **jQuery** and **Twitter Bootstrap.js**

```
<ul class="nav nav-tabs">
  <li class="active"><a href="#moe" data-toggle="tab">Move</a></li>
  <li><a href="#larry" data-toggle="tab">Larry</a></li>
  <li><a href="#curly" data-toggle="tab">Curly</a></li>
</ul>
<div class="tab-content">
  <div class="tab-pane active" id="moe">
    <h1>Moe Howard</h1>
    
  </div>
  <div class="tab-pane" id="larry">
    <h1>Larry Fine</h1>
    
  </div>
  <div class="tab-pane" id="curly">
    <h1>Curly Howard</h1>
    
  </div>
</div>
```

Dynamic Tabs

ex7.jade

```
.container
  ul.nav.nav-tabs
    .tab-content
      != js("ex7")
```

Empty skeleton

ex7.coffee

```
jQuery ($) ->
  tabs = $("ul.nav.nav-tabs")
  tabContent = $(".tab-content")

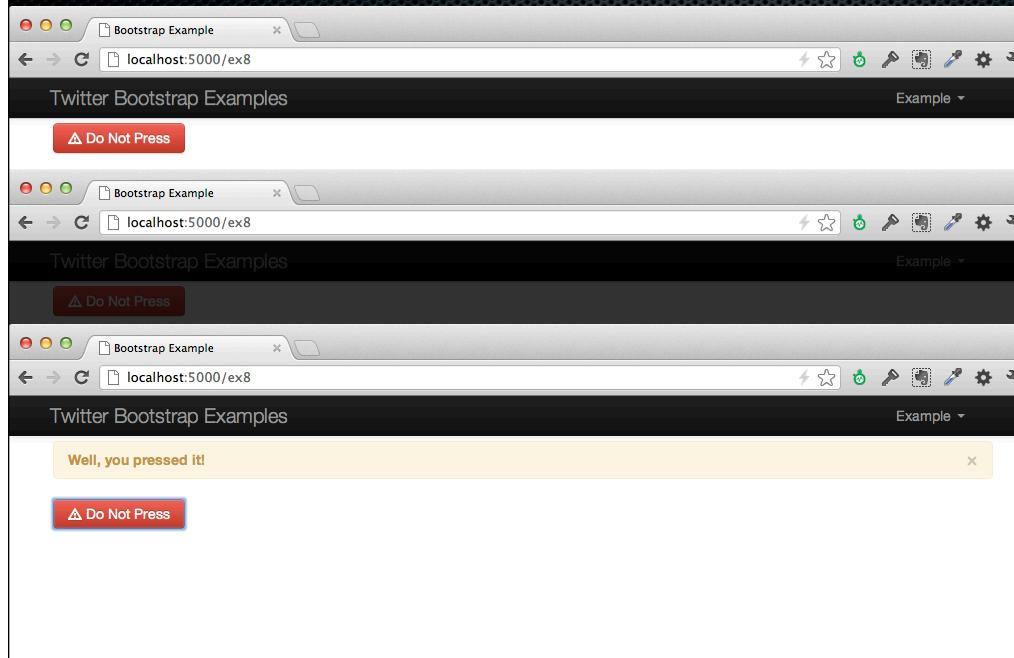
  _.each ["Moe Howard", "Larry Fine", "Curly Howard"],
    (name) ->
    ...
    ...

  tabs.find("li:first").addClass "active"
  tabContent.find(".tab-pane:first").addClass "active in"
```

Dynamic Tabs

```
_each ["Moe Howard", "Larry Fine", "Curly Howard"],  
  (name) ->  
    firstName = name.split(' ')[0]  
    uid = _.uniqueId "tab"  
  
    tab = $(  
      <li>  
        <a href="#{uid}" data-toggle="tab">  
          #{firstName}  
        </a>  
      </li>  
    )  
    content = $(  
      <div class="tab-pane fade" id="#{uid}">  
        <h1>#{name}</h1>  
          
      </div>  
    )  
  
    content.appendTo tabContent  
    tab.appendTo tabs
```

Modal Dialogs



Modal Dialogs

ex8.jade

```
.container(data-alert-insertion-point=true)
  button.btn.btn-danger(data-toggle="modal"
    data-target="#danger-alert")
    i.icon-warning-sign.icon-white
    | Do Not Press
.modal.fade#danger-alert
  .modal-header
    a.close(data-dismiss="modal") &times;
    h3 Why did you press it?
  .modal-body
    p You pressed the button marked
      strong Do Not Press
    .
  .modal-footer
    button.btn.btn-warning(data-dismiss="modal") Continue
    button.btn(data-dismiss="modal") Cancel
```

Bootstrap provides top-level handlers for
data-dismiss="modal" and **data-toggle="modal"**

```
<container data-alert-insertion-point="true">
  <button class="btn btn-danger" data-toggle="modal" data-target="#danger-alert">
    <i class="icon-warning-sign icon-white"/> Do Not Press
  </button>
  <div class="modal fade" id="danger-alert">
    <div class="modal-header">
      <a class="close" data-dismiss="modal">&times;</a>
      <h3>Why did you press it?</h3>
    </div>
    <div class="modal-body">
      <p>You pressed the button marked <strong>Do Not Press</strong>. </p>
    </div>
    <div class="modal-footer">
      <button class="btn btn-warning" data-dismiss="modal">Continue</button>
      <button class="btn" data-dismiss="modal">Cancel</button>
    </div>
  </div>
</div>
```

Alerts

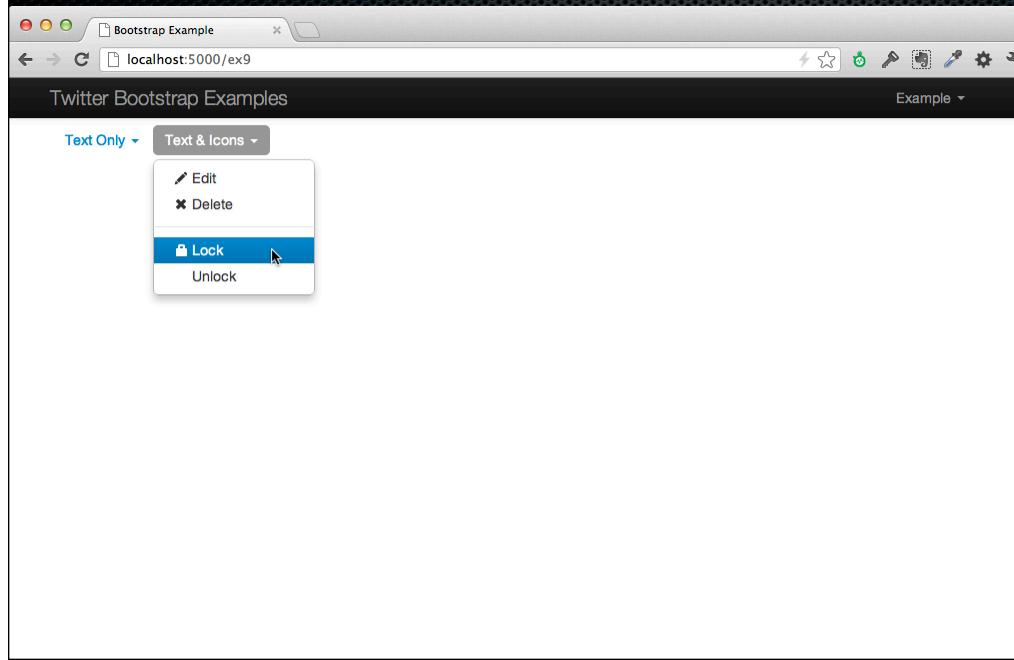
ex8.coffee

```
jQuery ($) ->
  $("#danger-alert").on "click", ".btn-warning", ->
    alert = $"""
      <div class="alert fade in">
        <a class="close" data-dismiss="alert">&times;</a>
        <strong>Well, you pressed it!</strong>
      </div>
    """
    alert.prependTo $("[data-modal-insertion-point]")
```

Custom data attribute to control where to add new <div> on the page.

```
jQuery(function($) {
  $("#danger-alert").on("click", ".btn-warning", function() {
    var alert = $("<div class=\"alert fade in\">\n      <a class=\"close\" data-
dismiss=\"alert\">&times;</a>\n      <strong>Well, you pressed it!</strong>\n    </div>");
    alert.prependTo($(".[data-alert-insertion-point]"));
  });
});
```

Dropdowns



ex9.jade

```
ul.nav.nav-pills
  li.dropdown
    a.dropdown-toggle(href="#" , data-toggle="dropdown")
      | Text Only
      b.caret
    ul.dropdown-menu
      li: a(href="#") Edit
      li: a(href="#") Delete
      li.divider
      li: a(href="#") Lock
      li: a(href="#") Unlock
  li.dropdown
    a.dropdown-toggle(href="#" , data-toggle="dropdown")
      | Text & Icons
      b.caret
    ul.dropdown-menu
      li: a(href="#")
        i.icon-pencil
        | Edit
      li: a(href="#")
        i.icon-remove
        | Delete
      li.divider
      li: a(href="#")
        i.icon-lock
        | Lock
    li: a(href="#" )
      i.icon-none
      | Unlock
```

Trailing Space

Trailing Space

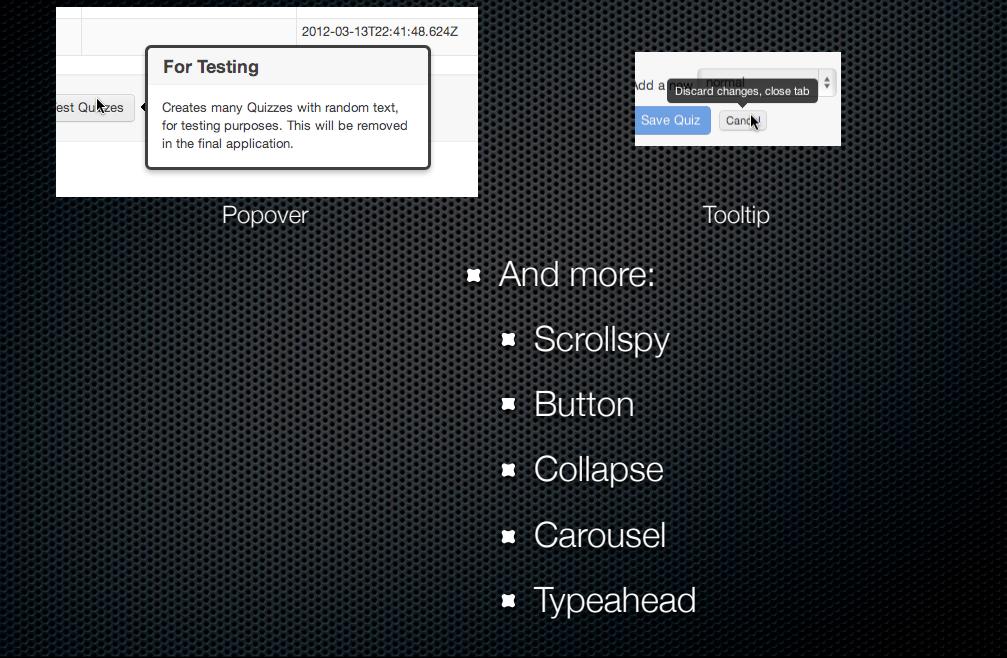
Two Spaces between **icon** and Text

i.icon-none provides right spacing

```
ex9.coffee
```

```
jQuery ($) ->
  $("body").on "click", ".nav-pills .dropdown-menu a", ->
    $"""
    <div class="alert fade in">
      <a class="close" data-dismiss="alert">&times;</a>
      <strong>You selected #{this.innerHTML}.</strong>
    </div>
  """).appendTo $("body")
```

Other Built-In Plugins



http://twitter.github.com/bootstrap/customize.html

The screenshot shows a web browser window with the URL <http://twitter.github.com/bootstrap/customize.html>. The page title is "Customize - Twitter Bootstrap". The main heading is "Customize and download". Below it is the subtext "Download Bootstrap or customize variables, components, javascript plugins, and more.". On the left, there is a vertical sidebar with four steps: "1. Choose components", "2. Select jQuery plugins", "3. Customize variables", and "4. Download". The first step is expanded, showing three sections: "Scaffolding", "Components", and "Miscellaneous", each with several checkboxes. A "Toggle all" button is located at the top right of the component section.

1. Choose components

Scaffolding

- Normalize and reset
- Body type and links
- Grid system
- Layouts

Components

- Button groups and dropdowns
- Navs, tabs, and pills
- Navbar
- Breadcrumbs

Miscellaneous

- Wells
- Close icon
- Utilities
- Component animations

<http://twitter.github.com/bootstrap/customize.html>

The screenshot shows the 'Customize variables' section of the Twitter Bootstrap customization tool. The URL in the browser is <http://twitter.github.com/bootstrap/customize.html#variables>. The page has a dark header with the word 'Bootstrap' on the right. A sidebar on the left lists four steps: 1. Choose components, 2. Select jQuery plugins, 3. Customize variables (which is selected and highlighted in blue), and 4. Download. The main content area is titled '3. Customize variables' and includes a 'Reset to defaults' button. It is divided into several sections: 'Scaffolding', 'Links', 'Colors', 'Typography', and 'Form states & alerts'. Each section contains CSS variable names with their current values in input fields.

Section	Variable	Value
Scaffolding	@bodyBackground	@white
	@textColor	@grayDark
Links	@linkColor	#00c
	@linkColorHover	darken(@linkColor, 15%)
Colors	@blue	#0099cc
	@altFontFamily	
Typography	@sansFontFamily	'Helvetica Neue', Helvetica, J
	@serifFontFamily	Georgia, 'Times New Roman', T
	@monoFontFamily	Menlo, Monaco, 'Courier New',
	@baseFontSize	14px
	@baseFontFamily	@sansFontFamily
	@baseLineHeight	20px
Form states & alerts	@warningText	#c09853
	@warningBackground	#fcf8e3
	@errorText	#b9a4a8
	@errorBackground	#f2dede
	@successText	#468847
	@successBackground	#dff0d8

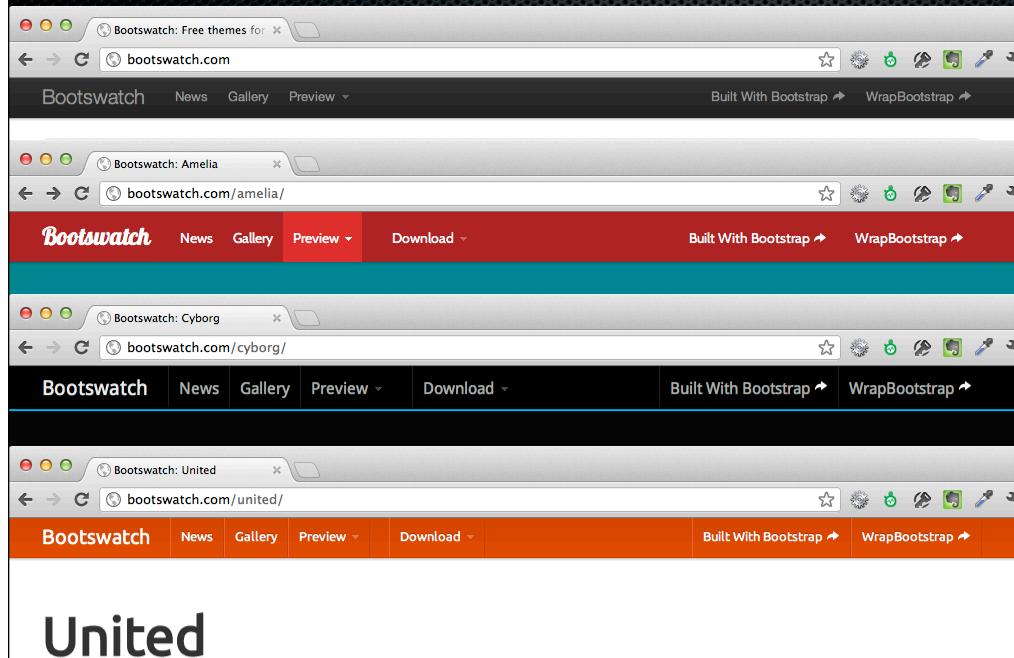
<http://wrapbootstrap.com/themes>

The screenshot shows a web browser displaying the wrapbootstrap.com/themes website. The page title is "Themes for Twitter Bootstrap". A banner at the top offers a chance to "win a free theme" in a weekly raffle. The main content area is titled "Themes & templates to make your things awesome". It features a search bar and navigation links for "Themes", "Start selling", "Bootswatch", "Built With Bootstrap", "Sign in", and "Sign up". Below this, there are "Shortcuts" for "Popular", "Newest", and "Bestselling". A search interface with "Rank", "Ascending", and "Apply" buttons is shown. The main content displays two admin template themes:

- Unicorn - Admin Template**: RANK 10. Description: "A clean, modern and professional Admin Template based on the popular Bootstrap framework. It features a dark sidebar with a light header and footer, and includes a variety of components like tables, forms, charts, and more." It includes screenshots of the dashboard, sidebar, and a chart.
- Base Admin**: RANK 53. Description: "A clean, modern and professional Admin Template based on the popular Bootstrap framework. It features a dark sidebar with a light header and footer, and includes a variety of components like tables, forms, charts, and more." It includes screenshots of the dashboard, sidebar, and a chart.

At the bottom right, it says "Page 1 of 9" with navigation arrows.

<http://bootswatch.com/>



United



Wrap Up

- Bootstrap
 - Sharp L&F out of the box
 - Very customizable
- Bootstrap JS
 - Lots of UI pizzaz, effortlessly
- CoffeeScript
 - Concise, readable JavaScript

<https://github.com/hlship/bootstrap-examples>

The screenshot shows a GitHub repository page for 'hlship / bootstrap-examples'. The repository is public and contains code examples of Twitter Bootstrap. The main interface includes tabs for Code, Network, Pull Requests, Issues, Wiki, and Graphs. Key features shown include 'Clone in Mac', 'ZIP', 'SSH', 'HTTP', and a Git URL (git@github.com:hlship/bootstrap-examples.git). The 'Code' tab is selected, showing a single commit from 'hlship' titled 'Initial commit' made 5 days ago. Below this, a table lists three files: 'assets', 'public', and 'routes', each with a creation date of 5 days ago and a message indicating it's an initial commit by 'hlship'. The GitHub interface is styled with a dark background and light text.

name	age	message	history
assets	5 days ago	Initial commit [hlship]	commit
public	5 days ago	Initial commit [hlship]	commit
routes	5 days ago	Initial commit [hlship]	commit

<http://howardlewissip.com>

Howard M. Lewis Ship -- Ent. x
howardlewissip.com

Howard Lewis Ship

Home Training Work Talk Quotes search keywords

Background

- Seasoned Open-Source / JEE Developer
- 20+ years experience as full-time software developer
- 11+ years experience with Java
- Creator: [Apache Tapestry](#), [Apache HiveMind](#), [Cascade](#)
- Author: [Tapestry In Action](#)



hiship@gmail.com
(971) 678-5210
Contact me for information
on pricing and availability

Objectives

To use cutting-edge technologies to create insanely great tools and applications.
To embrace agile development with a team of other smart, dedicated developers.

Contact

Training

[On-site lab-based training \(4+ days\)](#)



Q & A