



Introduction to Bootstrap

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Web Fundamentals



Introduction to Bootstrap



Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, mobile first projects on the web.



Bootstrap is Front-end Framework

HTML, CSS, and JS framework for developing responsive, mobile first projects on the web.



Bootstrap is Ready-to-use Web Elements

HTML / CSS elements for button, form, table,
image, navbar, label, progress bar, alert etc.

Designed for everyone, everywhere.

Bootstrap makes front-end web development faster and easier. It's made for folks of all skill levels, devices of all shapes, and projects of all sizes.



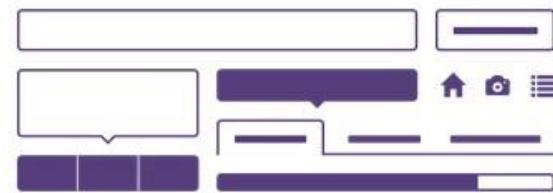
Preprocessors

Bootstrap ships with vanilla CSS, but its source code utilizes the two most popular CSS preprocessors, [Less](#) and [Sass](#). Quickly get started with precompiled CSS or build on the source.



One framework, every device.

Bootstrap easily and efficiently scales your websites and applications with a single code base, from phones to tablets to desktops with CSS media queries.



Full of features

With Bootstrap, you get extensive and beautiful documentation for common HTML elements, dozens of custom HTML and CSS components, and awesome jQuery plugins.

Bootstrap File Structure

```
bootstrap/
    └── css/
        ├── bootstrap.css
        └── bootstrap.min.css
    └── js/
        ├── bootstrap.js
        └── bootstrap.min.js
    └── img/
        ├── glyphicons-halflings.png
        └── glyphicons-halflings-white.png
└── README.md
```

Basic HTML Template

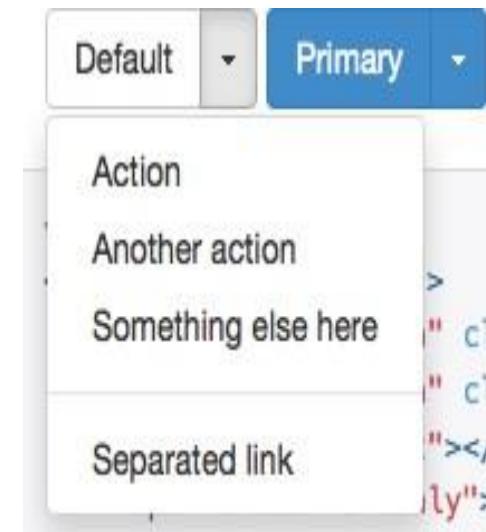
```
<!DOCTYPE html>
<html>
  <head>
    <title>Bootstrap 101 Template</title>
  </head>
  <body>
    <h1>Hello, world!</h1>
  </body>
</html>
```

With Bootstrap, we include the link to the CSS stylesheet and the JavaScript:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Bootstrap 101 Template</title>
    <link href="css/bootstrap.min.css" rel="stylesheet">
  </head>
  <body>
    <h1>Hello, world!</h1>
    <script src="js/bootstrap.min.js"></script>
  </body>
</html>
```

EXAMPLES of Bootstrap Elements

#	Column heading	Column heading	Column heading
1	Column content	Column content	Column content
2	Column content	Column content	Column content
3	Column content	Column content	Column content
4	Column content	Column content	Column content
5	Column content	Column content	Column content
6	Column content	Column content	Column content
7	Column content	Column content	Column content
8	Column content	Column content	Column content
9	Column content	Column content	Column content



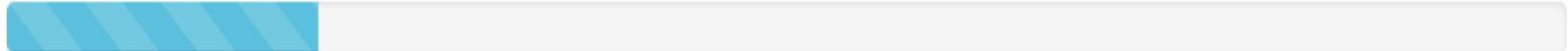
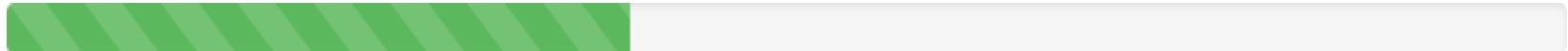
Oh snap! You got an error!

Change this and that and try again. Duis mollis, est non commodo luctus, nisi erat porttitor ligula, eget lacinia odio sem nec elit. Cras mattis consectetur purus sit amet fermentum.

Take this action

Or do this

more EXAMPLES of Bootstrap Elements



 glyphicon glyphicon-music	 glyphicon glyphicon-search	 glyphicon glyphicon-heart	 glyphicon glyphicon-star	Brand	Home	Link	Link
 glyphicon glyphicon-th	 glyphicon glyphicon-th-list	 glyphicon glyphicon-ok	 glyphicon glyphicon-remove				

Websites created by Bootstrap

www.fliplingo.com

The screenshot shows the Fliplingo homepage with a teal background. At the top left is the red logo 'Fliplingo.'. To its right are navigation links: TOUR, LANGUAGES, PRICING, LOGIN, and a button labeled 'GO GLOBAL'. The central text reads 'More Global. No More Barriers.' Below it, a subtitle says 'Fliplingo is the simplest way to translate your tweets, with real human translators.' Two buttons are present: 'LEARN MORE' and 'GET STARTED — IT'S FREE!'. At the bottom, there's a globe graphic and two dark blue callout boxes. The left box contains an American flag icon and the text 'My American Tweets' and 'I love Fliplingo!'. The right box contains a Swedish flag icon and the text 'My Swedish Tweets' and 'Jag älskar Fliplingo!'.

Fliplingo.

TOUR LANGUAGES PRICING LOGIN GO GLOBAL

More Global. No More Barriers.

Fliplingo is the simplest way to translate your tweets, with real human translators.

LEARN MORE GET STARTED — IT'S FREE!

My American Tweets
I love Fliplingo!

My Swedish Tweets
Jag älskar Fliplingo!

Why Bootstrap?

- Save 100+ hours of coding
- Easy to use web elements
- Quick responsive prototype / website
- Great documentation

Bootstrap Package

- **CSS** - bootstrap.css
- **JS** - bootstrap.js
- **Icon Fonts** - glyphicons-halflings-regular.ttf

What is Grid in web design?

Get Started Community & Support Documentation Download & Extend Marketplace About

Drupal

Come for the software, stay for the community

Drupal is an open source content management platform used to power millions of websites and software applications. It's built, used, and supported by an active and diverse community of people from around the world.

[Drupal Homepage](#) [Login / Register](#)

Search Drupal.org

Refine your search

- Modules
- Themes
- Documentation
- Forums & Issues
- Groups

Why Choose Drupal?

Drupal can be used to build everything from personal blogs to sophisticated enterprise applications. It features thousands of add-on modules and design themes that enable you to build any kind of site you can imagine. Drupal is free software that is flexible, robust, and constantly being improved by a community of hundreds of thousands of passionate users. Come join us!

[Get Started with Drupal](#)

Sites Made with Drupal

The Economist

Log in Register

Home World Business & Finance

The Economist.com data migration to Drupal

Drupal is used by some of the biggest sites on the Web, like The Economist, Examiner.com and The White House. Read more Drupal success stories.

Develop with Drupal

Drupal is extensible, powerful, scalable, and flexible.

Current activity:

- 6,988 modules
- 862 themes
- 3,740 active developers

This week:

- 31 new modules
- 1,355 code commits
- 5,410 issue comments

Drupal API Download Drupal Security info Handbook Modules and Themes Explore Drupal modules and themes

Get Drupal Security Announcements
Keep your site secure.

708,149 people in 230 countries speaking 182 languages power Drupal.

News Docs Updates Forum Posts Commits

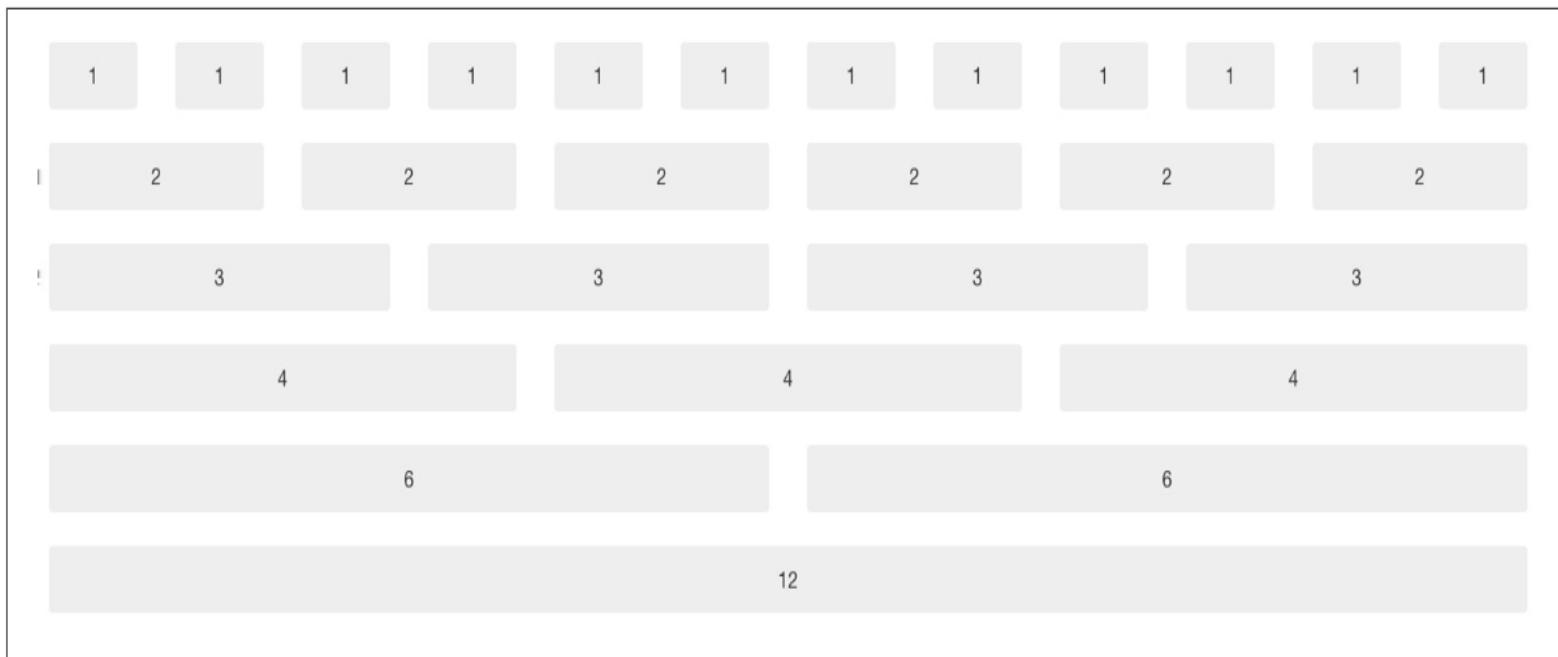
Support Drupal by voting in the 2010 Open Source Awards
October 13, 2010

Packt Publishing, the company behind many well-known Drupal books, is also responsible for the Open Source Awards, an annual online event held to distinguish excellence among open [Read more](#)

beta.drupal.org is ready to QA!

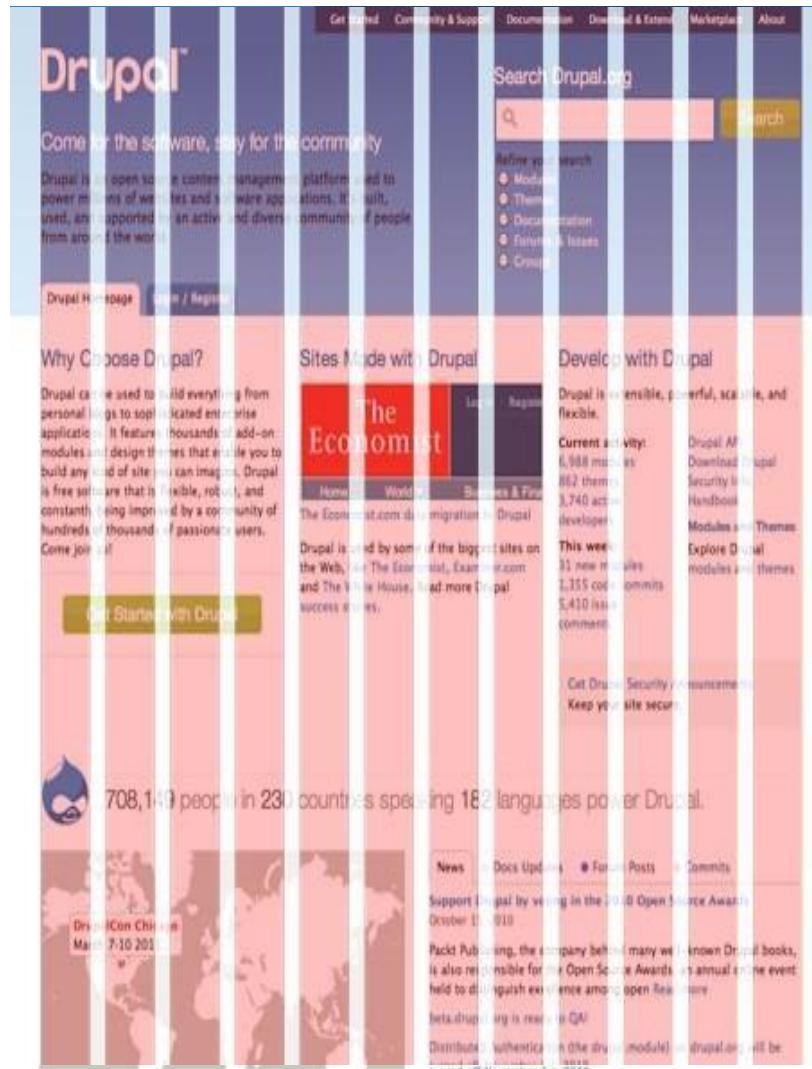
Distributed Authentication (the drupal.module) on drupal.org will be removed after November 1st, 2010

Default Grid System



What is Grid in web design?

1 2 3 4 5 6 7 8 9 10 11 12



12 Grid

What is Grid in web design?

4 Grid

4 Grid

4 Grid



4 Grids x 3 Columns
= 12 Grids

Bootstrap Grid

SERVICES

Lorem ipsum dolor sit amet consectetur.



E-Commerce

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minima maxime quam architecto quo inventore harum ex magni, dicta impedit.



Responsive Design

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minima maxime quam architecto quo inventore harum ex magni, dicta impedit.



Web Security

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minima maxime quam architecto quo inventore harum ex magni, dicta impedit.

12 Responsive Grid

<http://bit.ly/grid-overlay>

Grid Overlay

Grid displayer for Bootstrap and Foundation

In-browser web design made easier with this bookmarklet which displays the grid of your favourite front-end framework.

1 Install it

For Firefox and WebKit browsers only.

↓ Drag this button to your bookmarks bar ↓

Grid displayer

for Bootstrap Foundation

2 Try it

Try the bookmarklet [on this page](#) or on the following sites:

COPY IS DESIGN
likes & dislikes

PIPELINE

Do you press the "Show me an error message" button?
Thought so.
As you may have guessed already, something has gone wrong with Foundation.
The good news is that our team has already rectified as much as possible (they're very strict over in the Martin agency) like errors would be an inconvenience, we attack them and squash bugs with such verve that it's almost tame.
Sorry, if it's not clear what the long-winded story means, the error is already gone. We're sorry for the trouble and we're working hard to never cause that issue to you again.

Use this button to show me an error message

Share > Home on GitHub

Follow on Twitter

Follow on LinkedIn

Follow on RSS

Copy & Paste this message to the developer console of the Transformer or Foundation services or discuss on the Foundation forums, GitHub, Stack Overflow, or the Foundation mailing list.

Compatible with Foundation 2, 3, 4 & 5

Bootstrap grids

Basic grid layouts to get you familiar with building within the Bootstrap grid system.

Three equal columns

col-sm-4 col-sm-4 col-sm-4

Three unequal columns

col-sm-2 col-sm-5 col-sm-3

Four columns

col-sm-3 col-sm-3 col-sm-3 col-sm-3

Full widths, single column

col-sm-12

Two columns with four nested columns

col-sm-4 col-sm-4 col-sm-4 col-sm-4

Compatible with Bootstrap 2 & 3

4 Sizes of Bootstrap Grid

Size Name	Screen Size	CSS Class
Extra Small Devices (Phone)	0 - 767 px	.col-xs-1 ~ .col-xs-12
Small Devices (Tablet)	768 - 991 px	.col-sm-1 ~ .col-sm-12
Medium Devices (Desktop)	992 - 1219 px	.col-md-1 ~ .col-md-12
Large Devices (Large screen desktop)	1200px +	.col-lg-1 ~ .col-lg-12

Bootstrap Grid Example

<http://bit.ly/bs-agency>



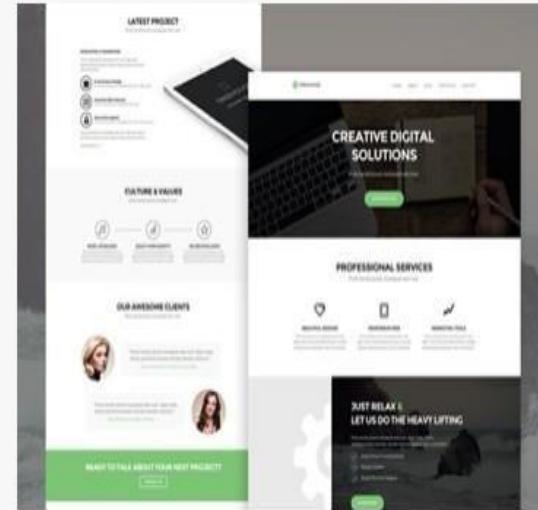
Round Icons

Graphic Design



Startup Framework

Website Design

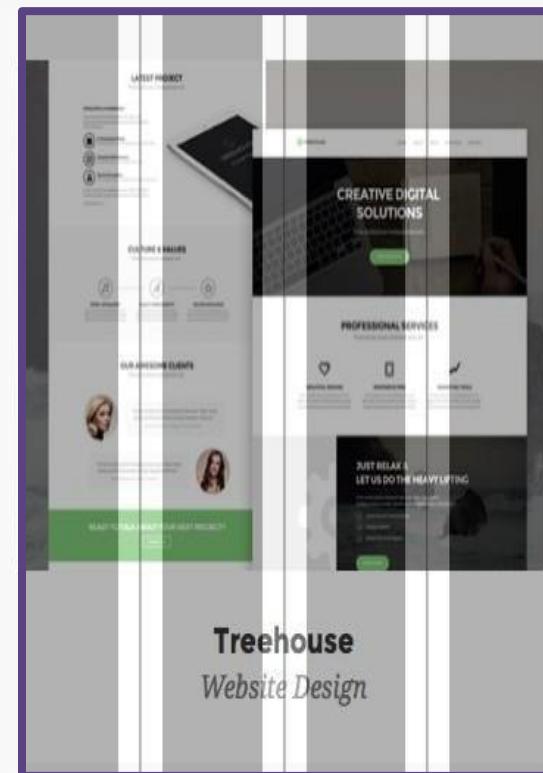


Treehouse

Website Design

How many grids in each box?

Bootstrap Grid Example



4 grids x 3 Columns

Bootstrap Grid Example

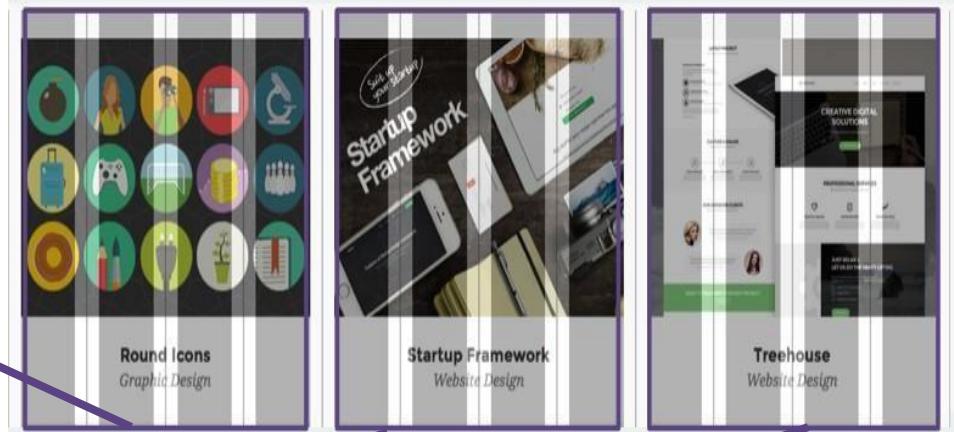
HTML

```
1 <div class="container">
2   <div class="row">
3     <div class="col-md-4">
4       ...
5     </div>
6     <div class="col-md-4">
7       ...
8     </div>
9     <div class="col-md-4">
10    ...
11   </div>
12 </div><!-- row -->
13 </div><!-- container -->
14
```

Bootstrap Grid Example

HTML

```
1 <div class="container">
2   <div class="row">
3     <div class="col-md-4">
4       ...
5     </div>
6     <div class="col-md-4">
7       ...
8     </div>
9     <div class="col-md-4">
10      ...
11    </div>
12  </div><!-- row -->
13 </div><!-- container -->
14
```



Bootstrap Grid Example 2

The image displays a form layout using a Bootstrap grid system. On the left side, there are three input fields stacked vertically: 'Your Name *', 'Your Email *', and 'Your Phone *'. Each of these input fields is contained within a white rectangular box with a thin black border, which is itself positioned inside a larger dark gray rectangular area. To the right of these three input fields is a single, very large input field labeled 'Your Message *'. This large input field is also contained within a white rectangular box with a thin black border, set against a plain white background.

Your Name *

Your Email *

Your Phone *

Your Message *

How many grids in each box?

Bootstrap Grid Example 2

The image displays a Bootstrap grid layout within a purple-bordered container. The layout is organized into two rows. The first row contains three input fields: 'Your Name *', 'Your Email *', and 'Your Phone *'. Each field is enclosed in a dark gray box with a black border. The second row contains a single input field labeled 'Your Message *', also enclosed in a dark gray box with a black border. The entire grid is set against a background with a repeating pattern of light gray and black dots.

6 grids x 2 Columns

Bootstrap Grid Example 2

HTML

```
1 <div class="container">
2   <div class="row">
3     <div class="col-md-6">
4       ...
5     </div>
6     <div class="col-md-6">
7       ...
8     </div>
9   </div><!-- row -->
10 </div><!-- container -->
11
12
```

Bootstrap Grid Example 2

HTML

```
1 <div class="container">
2   <div class="row">
3     <div class="col-md-6">
4       ...
5     </div>
6     <div class="col-md-6">
7       ...
8     </div>
9   </div><!-- row -->
10 </div><!-- container -->
11
12
```

Your Name *

Your Email *

Your Phone *

Your Message *

Bootstrap Row

PORTFOLIO

Lorem ipsum dolor sit amet consectetur.

Round Icons
Graphic Design

Startup Framework
Website Design

Treehouse
Website Design

Golden
Website Design

Escape
Website Design

Dreams
Website Design

1 Row = 12 Grids

Bootstrap Row

PORTFOLIO

Lorem ipsum dolor sit amet consectetur.

Round Icons
Graphic Design

Startup Framework
Website Design

Treehouse
Website Design

Golden
Website Design

Escape
Website Design

Dreams
Website Design

3 Rows

Bootstrap Row Example

HTML

```
1 <div class="container">
2   <div class="row">
3     <div class="col-md-12" ... </div>
4   </div><!-- row -->
5   <div class="row">
6     <div class="col-md-4" ... </div>
7     <div class="col-md-4" ... </div>
8     <div class="col-md-4" ... </div>
9   </div><!-- row -->
10  <div class="row">
11    <div class="col-md-4" ... </div>
12    <div class="col-md-4" ... </div>
13    <div class="col-md-4" ... </div>
14  </div><!-- row -->
15 </div><!-- container -->
16
```