

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.



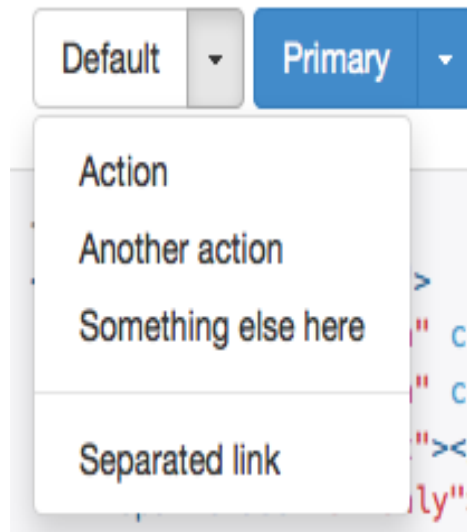
Full of features

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

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!

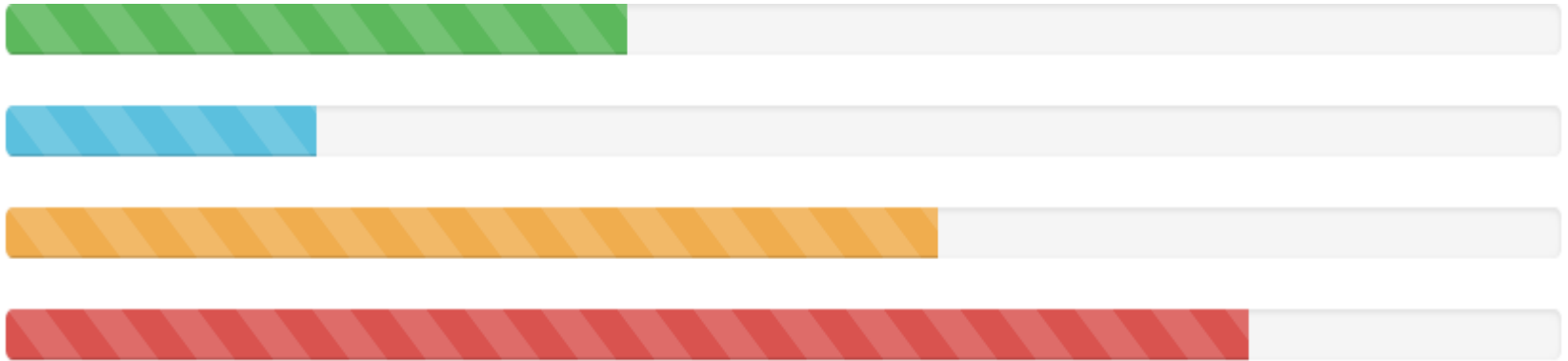










Change this and that and try again. Duis mollis, est non commodo luctus, nisi erat porttitor ligula, eget lacinia odio sem nec elit. Cras mattis consectetur purus sit amet fermentum.

Take this action

Or do this

more EXAMPLES of Bootstrap Elements



 glyphicon glyphicon-music	 glyphicon glyphicon-search	 glyphicon glyphicon-heart	 glyphicon glyphicon-star
 glyphicon glyphicon-th	 glyphicon glyphicon-th-list	 glyphicon glyphicon-ok	 glyphicon glyphicon-remove

Brand	Home	Link	Link
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Websites created by Bootstrap

www.fliplingo.com

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** - glyphsicons-halflings-regular.ttf

What is Grid in web design?

The screenshot displays the Drupal.org homepage, which is organized into a grid. At the top is a blue header with navigation links: Get Started, Community & Support, Documentation, Download & Extend, Marketplace, and About. Below the header, the main content area is divided into several sections. On the left, there's a 'Drupal' logo and a tagline 'Come for the software, stay for the community', followed by a paragraph describing Drupal as an open source content management platform. To the right of this is a search bar and a 'Refine your search' section with links to Modules, Themes, Documentation, Forums & Issues, and Groups. Below the header, the main content area is divided into three columns. The first column, 'Why Choose Drupal?', describes the platform's flexibility and community. The second column, 'Sites Made with Drupal', features a screenshot of The Economist website and mentions its data migration to Drupal. The third column, 'Develop with Drupal', lists current activity (6,988 modules, 862 themes, 3,740 active developers) and this week's activity (31 new modules, 1,155 code commits, 5,410 issue comments). Below these columns is a 'Get Started with Drupal' button. At the bottom, a blue banner states '708,149 people in 230 countries speaking 182 languages power Drupal.' Below this banner is a world map with a red dot in Chicago labeled 'DrupalCon Chicago March 7-10 2011'. To the right of the map is a 'News' section with links to Docs Updates, Forum Posts, and Commits, followed by several news items including 'Support Drupal by voting in the 2010 Open Source Awards' and '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 source developers'.

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

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
- 1,155 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.

DrupalCon Chicago

March 7-10 2011

News

- Docs Updates
- Forum Posts
- Commits

Support Drupal by voting in the 2010 Open Source Awards

October 13, 2010

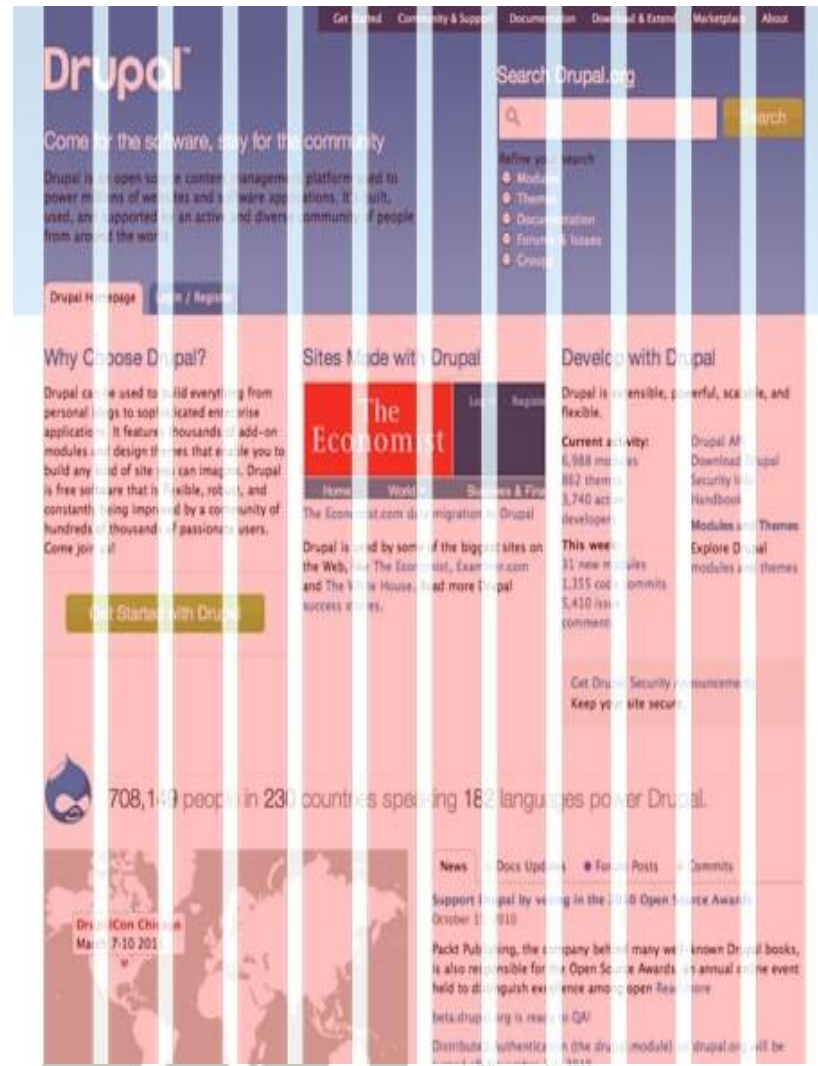
Packt Publishing, the company behind many well-known Drupal books, is also responsible for the Open Source Awards, an annual online event held to distinguish excellence among open source developers. Read more

beta.drupal.org is ready to QA!

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

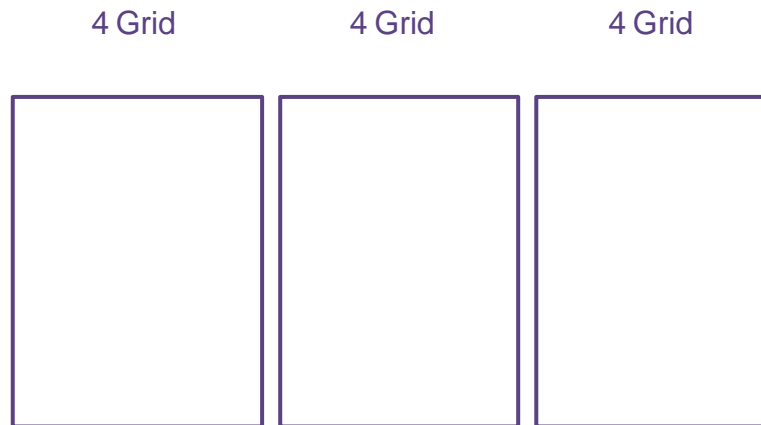
What is Grid in web design?

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



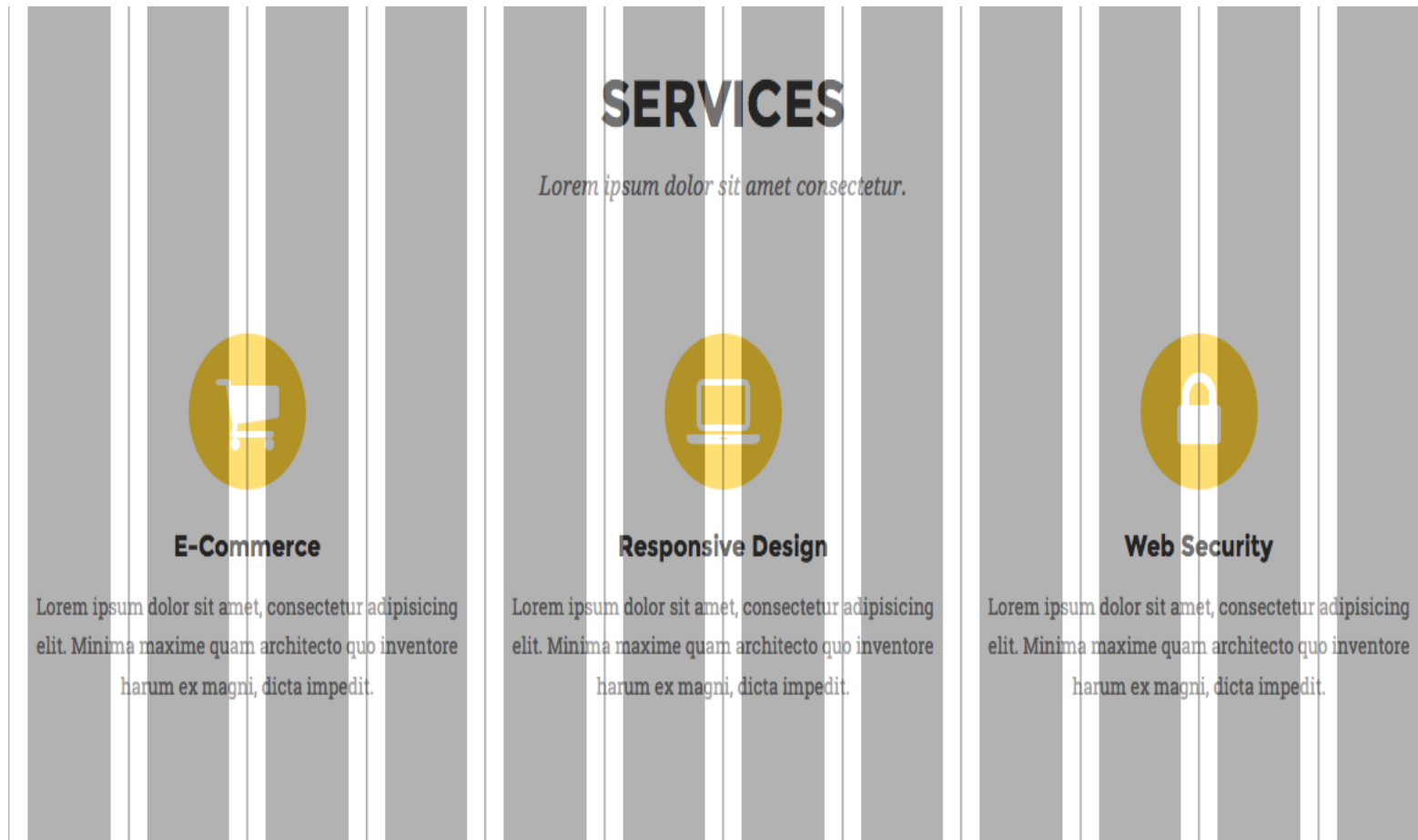
12 Grid

What is Grid in web design?



4 Grids x 3 Columns
= 12 Grids

Bootstrap Grid



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.

Vote 2

Star 118

Tweet 249

1 Install it

For Firefox and WebKit browsers only.

↓ Drag this button to your bookmarks bar ↓



2 Try it

Try the bookmarklet on this page or on the following sites:



Compatible with Foundation 2, 3, 4 & 5



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

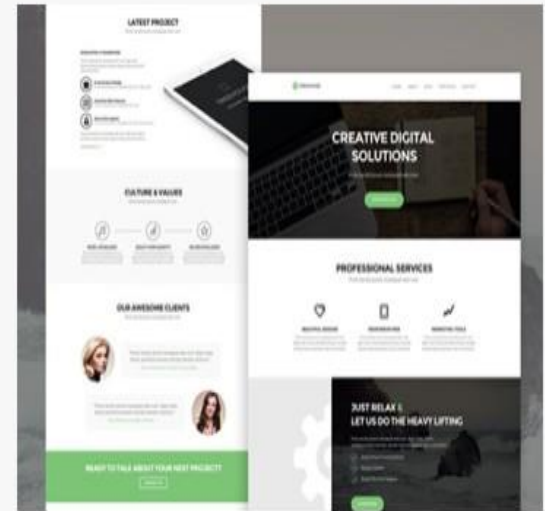
<http://bit.ly/bs-agency>



Round Icons
Graphic Design



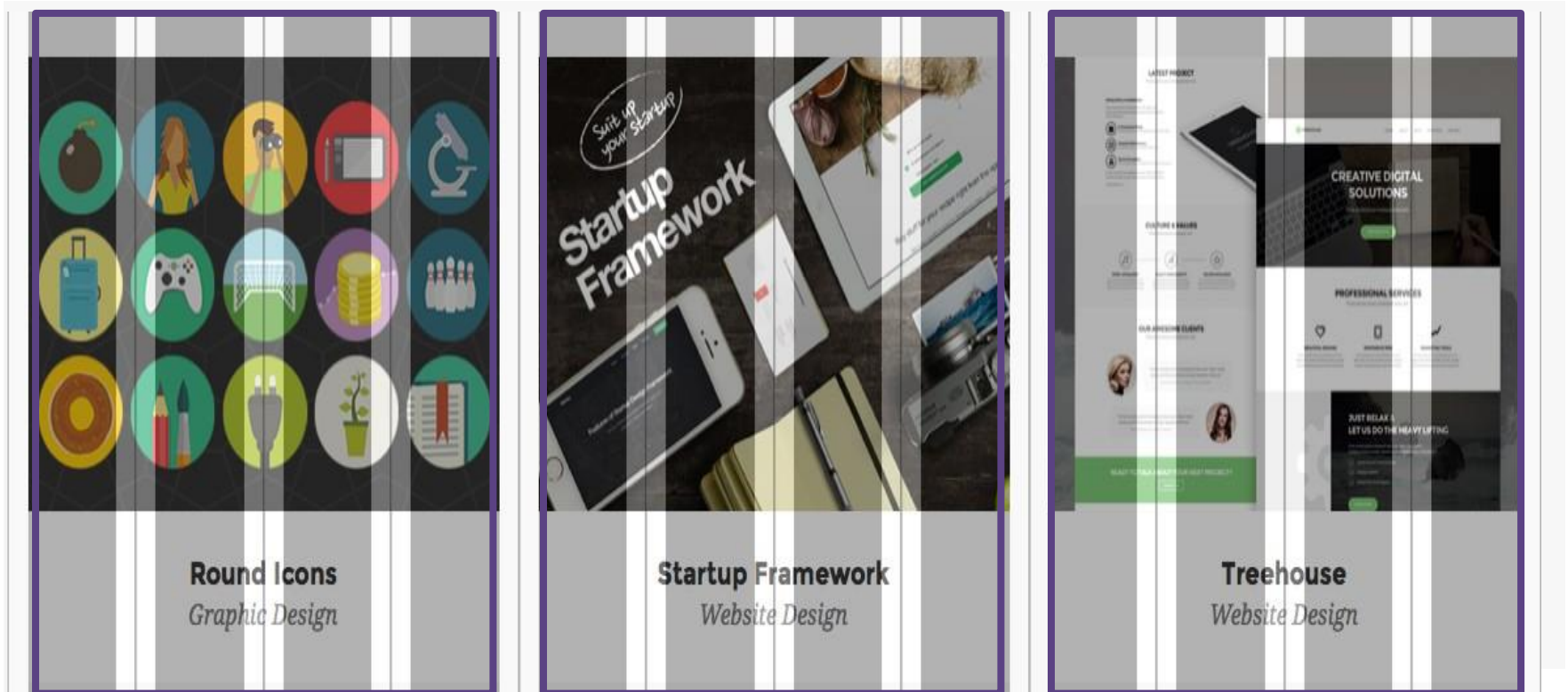
Startup Framework
Website Design



Treehouse
Website Design

How many grids in each box?

Bootstrap Grid Example



4 grids x 3 Columns

Bootstrap Grid Example

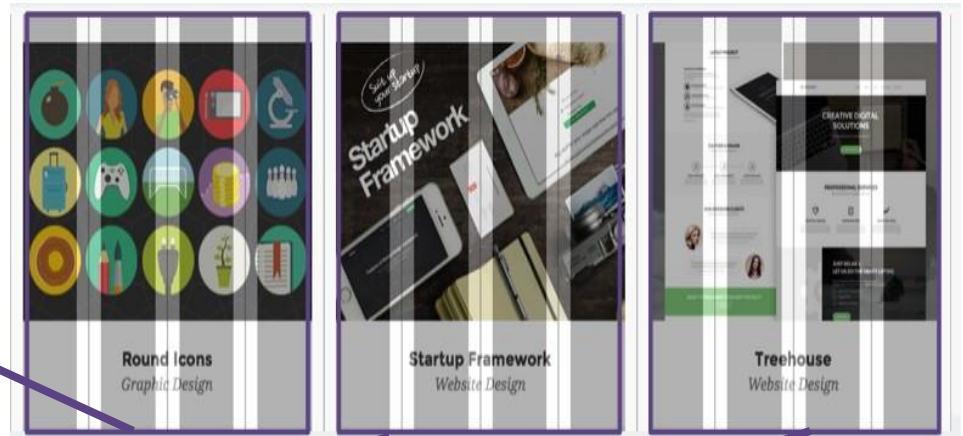
HTML

```
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

A screenshot of a web form using the Bootstrap grid system. The form is set against a dark background with a faint world map. It consists of two main columns. The left column contains three stacked input fields, each with a label and an asterisk: 'Your Name *', 'Your Email *', and 'Your Phone *'. The right column contains a single, larger text area labeled 'Your Message *'. The layout demonstrates a 2-column grid where the first column has three rows and the second column has one row, totaling six grid units.

Your Name *

Your Email *

Your Phone *

Your Message *

How many grids in each box?

Bootstrap Grid Example 2

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

6 grids x 2 Columns

Bootstrap Grid Example 2

HTML

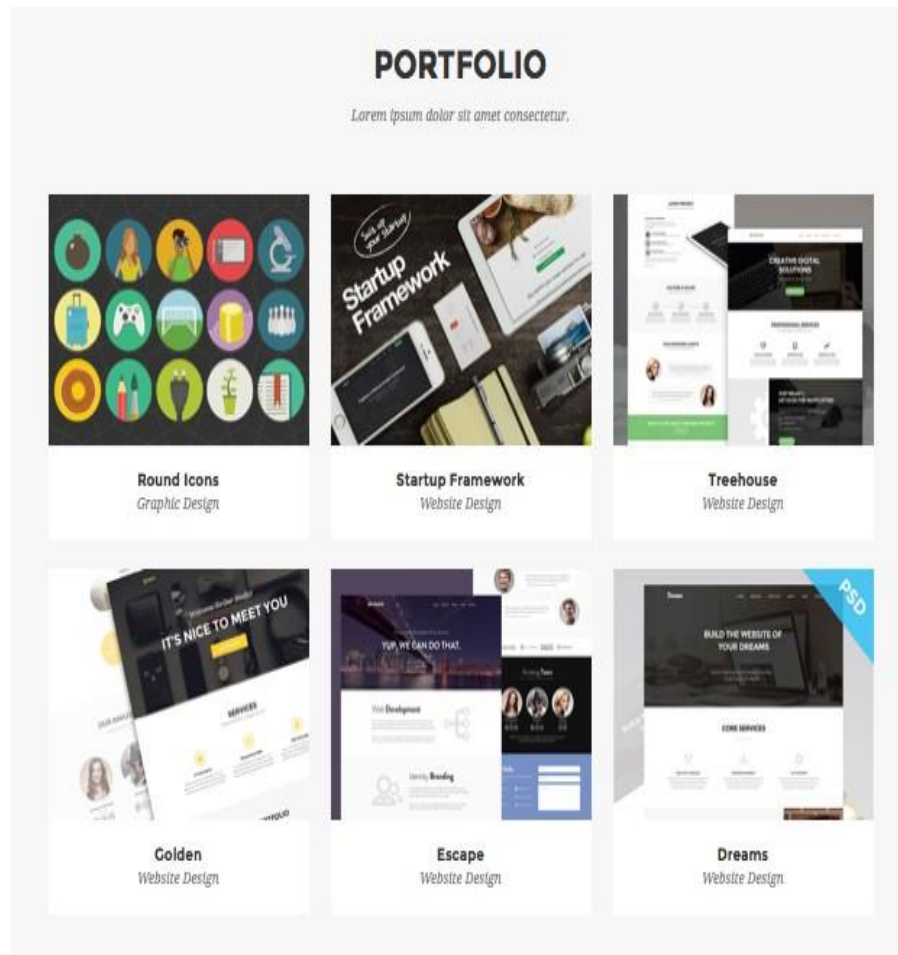
```
1 <div class="container">
2   <div class="row">
3     <div class="col-md-6">
4       ...
5     </div>
6     <div class="col-md-6">
7       ...
8     </div>
9   </div><!-- row -->
10 </div><!-- container -->
```

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
```

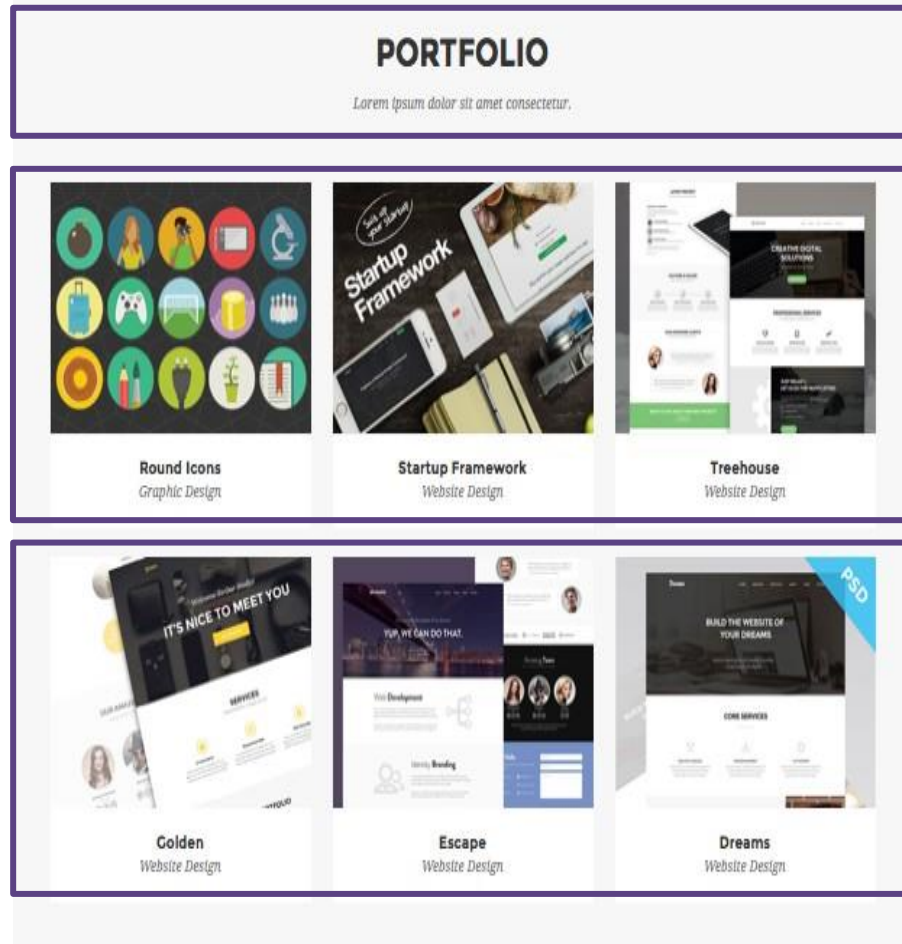
Visual representation of the Bootstrap grid layout. It shows a container with two columns. The left column contains three input fields labeled "Your Name *", "Your Email *", and "Your Phone *". The right column contains one input field labeled "Your Message *". Arrows point from the code snippets in the previous block to these input fields.

Bootstrap Row



1 Row = 12 Grids

Bootstrap Row



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 -->
```



Bootstrap Responsive Grid



Round Icons
Graphic Design



Startup Framework
Website Design

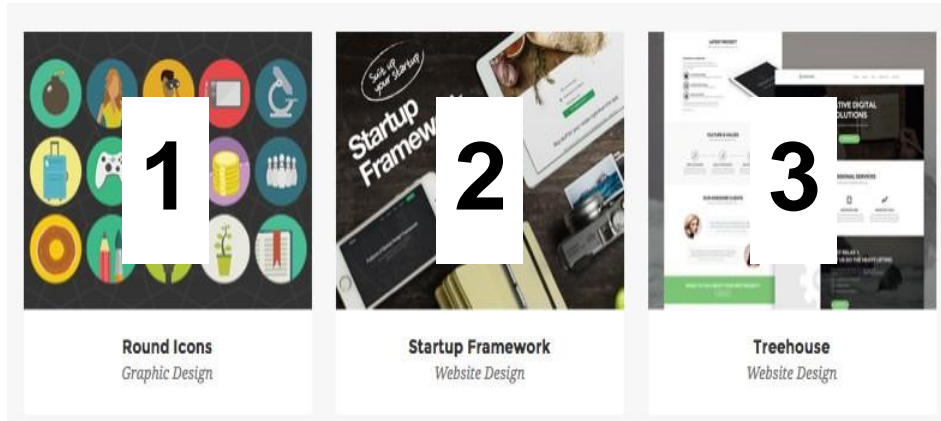


Treehouse
Website Design

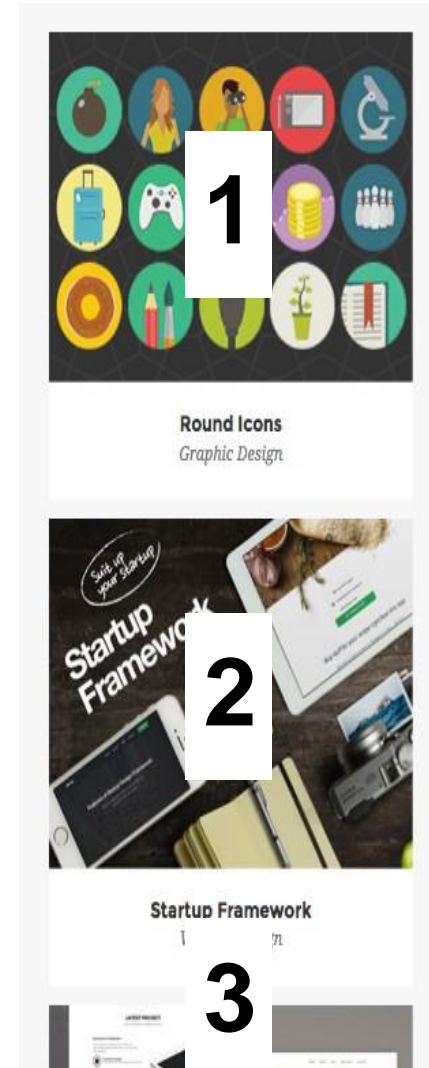
Columns will stack when responsive

Bootstrap Responsive Grid

Desktop



Mobile



Columns stack on mobile