Introduction to Bootstrap

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

www.getbootstrap.com

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

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

Websites created by Bootstrap

www.fliplingo.com

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?

What is Grid in web design?

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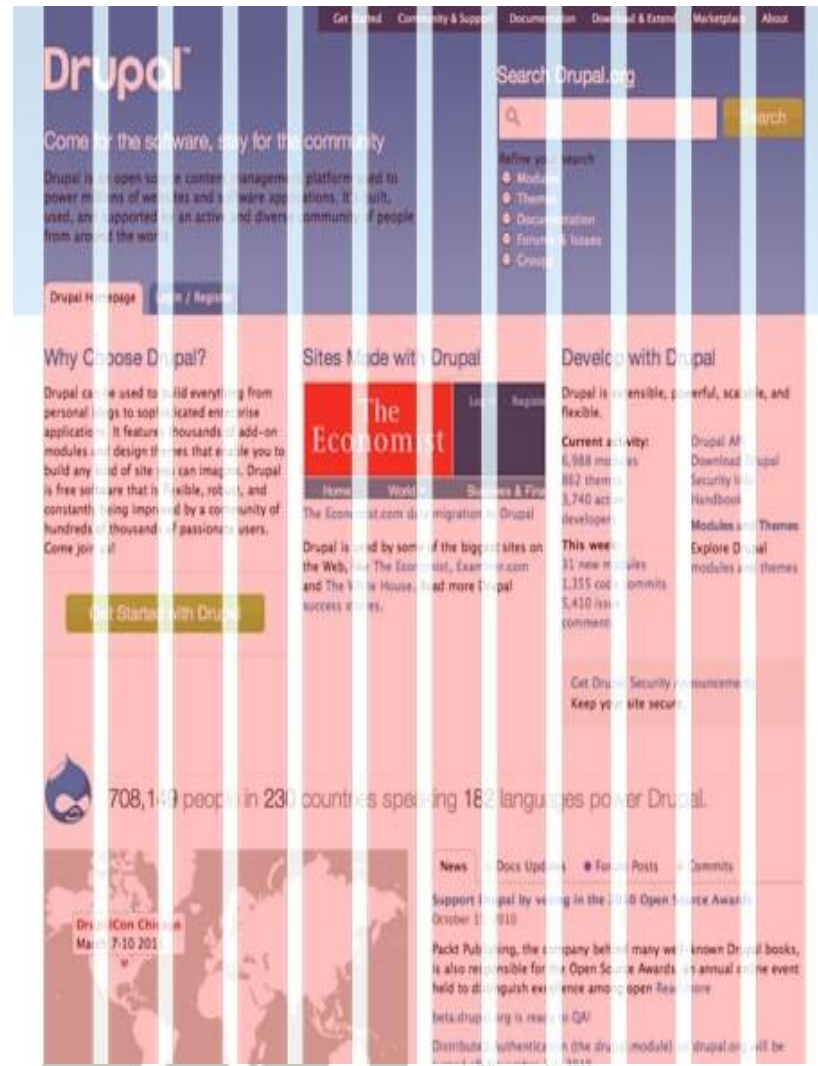
12 Grid

What is Grid in web design?

4 Grid   4 Grid   4 Grid
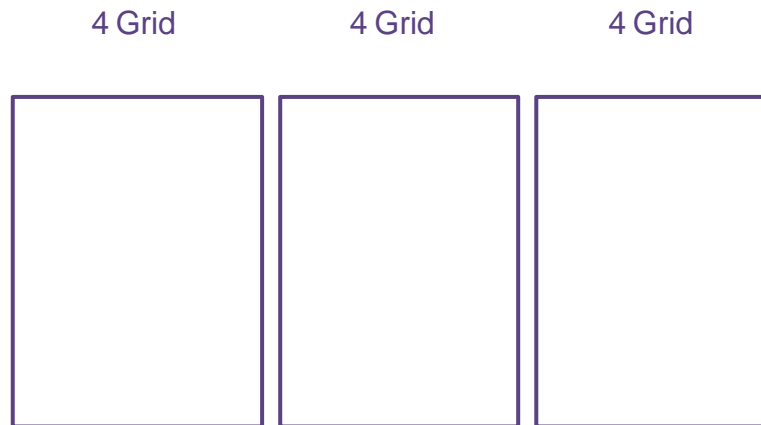
4 Grids x 3 Columns
= 12 Grids

Bootstrap Grid
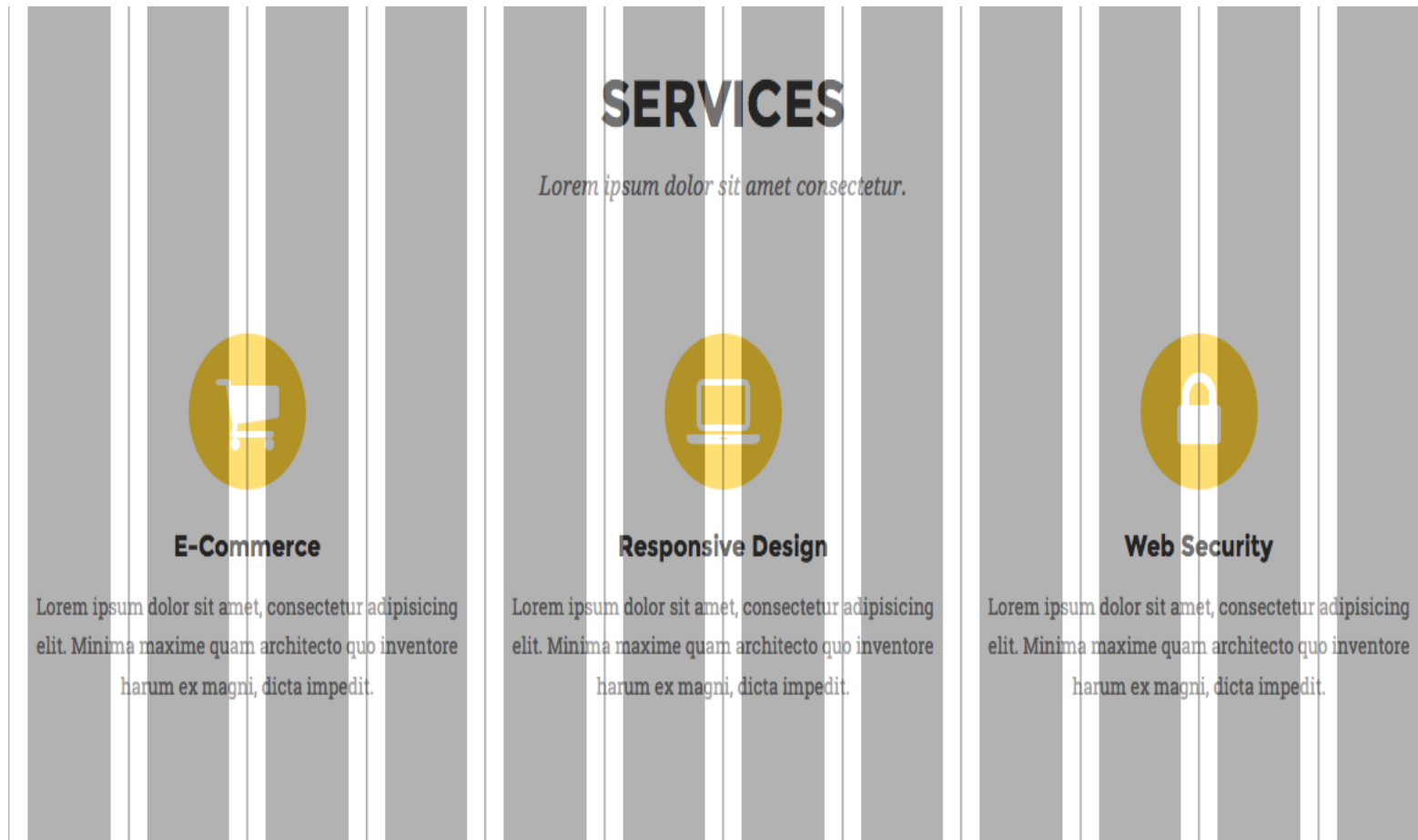
12 Responsive Grid

http://bit.ly/grid-overlay

Grid Overlay

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

Round Icons
Graphic Design

Startup Framework
Website Design

Treehouse
Website Design

4 grids x 3 Columns

Bootstrap Grid Example

```html
<div class="container">
  <div class="row">
    <div class="col-md-4">
      ...
    </div>
    <div class="col-md-4">
      ...
    </div>
    <div class="col-md-4">
      ...
    </div>
  </div><!-- row -->
</div><!-- container -->
```

Bootstrap Grid Example

```html
<div class="container">
  <div class="row">
    <div class="col-md-4">

      ...
    </div>
    <div class="col-md-4">

      ...
    </div>
    <div class="col-md-4">

      ...
    </div>
  </div><!-- row -->
</div><!-- container -->
```
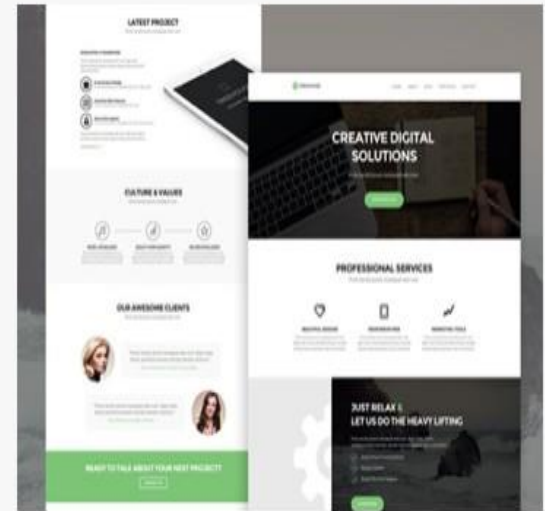
Round Icons
Graphic Design

Startup Framework
Website Design

Treehouse
Website Design

Bootstrap Grid Example 2
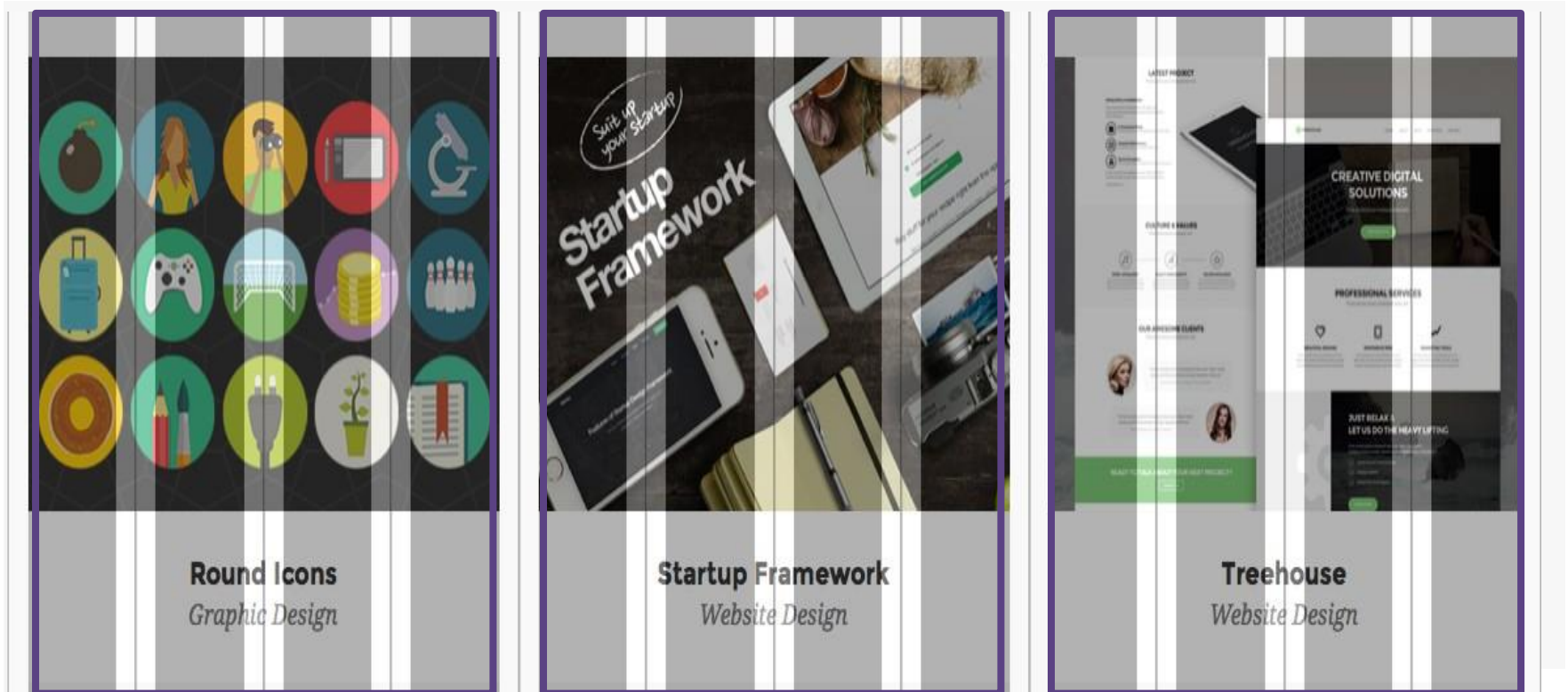

How many grids in each box?

Bootstrap Grid Example 2

6 grids x 2 Columns

Bootstrap Grid Example 2

```html
<div class="container">
   <div class="row">
      <div class="col-md-6">

         ...
      </div>
      <div class="col-md-6">

         ...
      </div>
   </div><!-- row -->
</div><!-- container -->


```
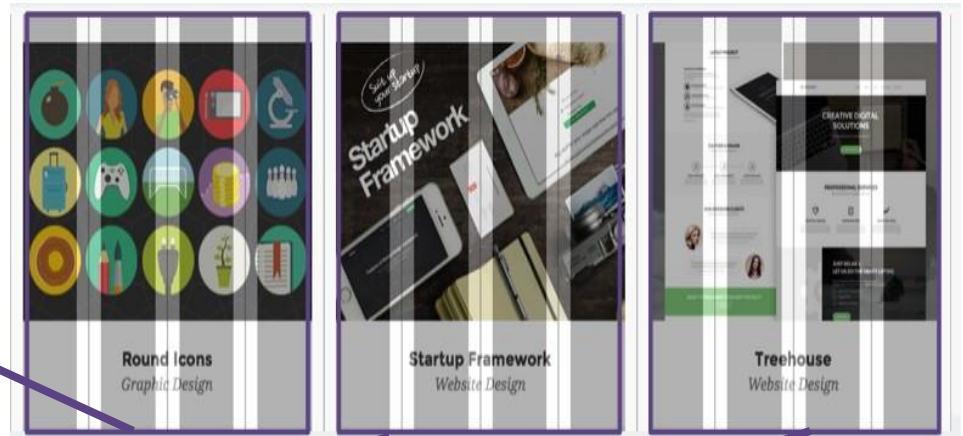
Bootstrap Grid Example 2

```
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
```
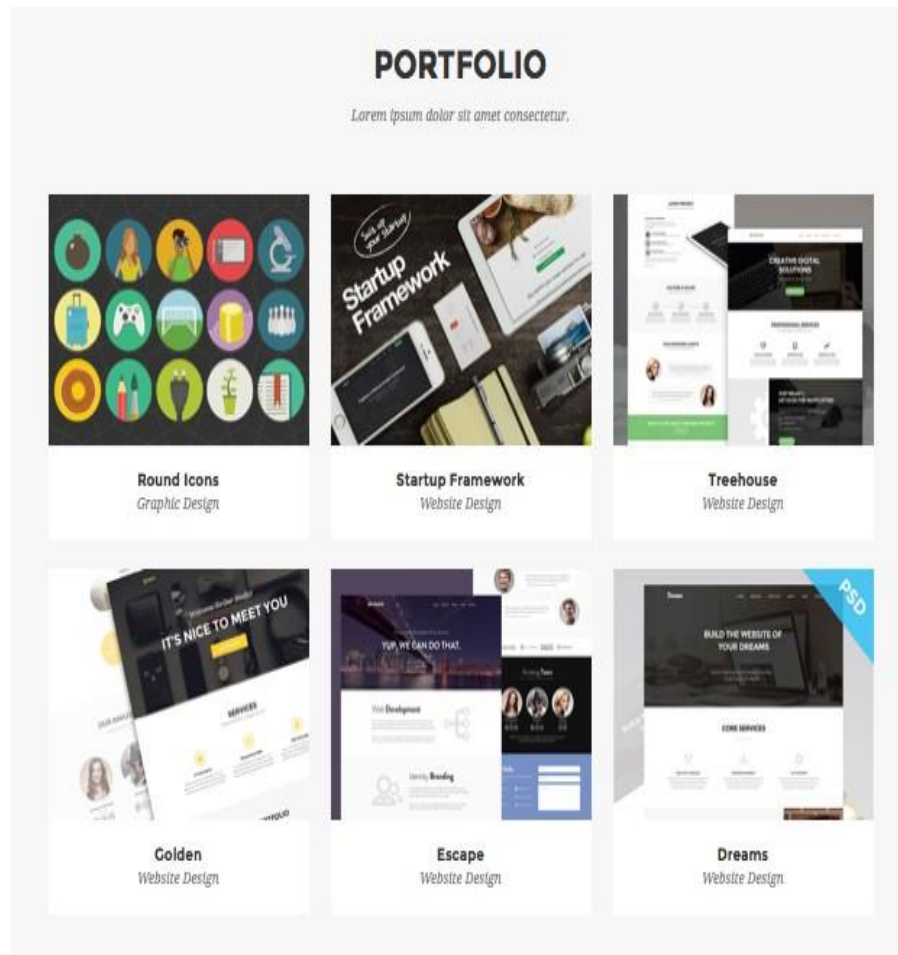
Bootstrap Row

1 Row = 12 Grids

Bootstrap Row

3 Rows

Bootstrap Row Example

```html
<div class="container">
  <div class="row">
    <div class="col-md-12"> ... </div>
  </div><!-- row -->
  <div class="row">
    <div class="col-md-4"> ... </div>
    <div class="col-md-4"> ... </div>
    <div class="col-md-4"> ... </div>
  </div><!-- row -->
  <div class="row">
    <div class="col-md-4"> ... </div>
    <div class="col-md-4"> ... </div>
    <div class="col-md-4"> ... </div>
  </div><!-- row -->
</div><!-- container -->
```
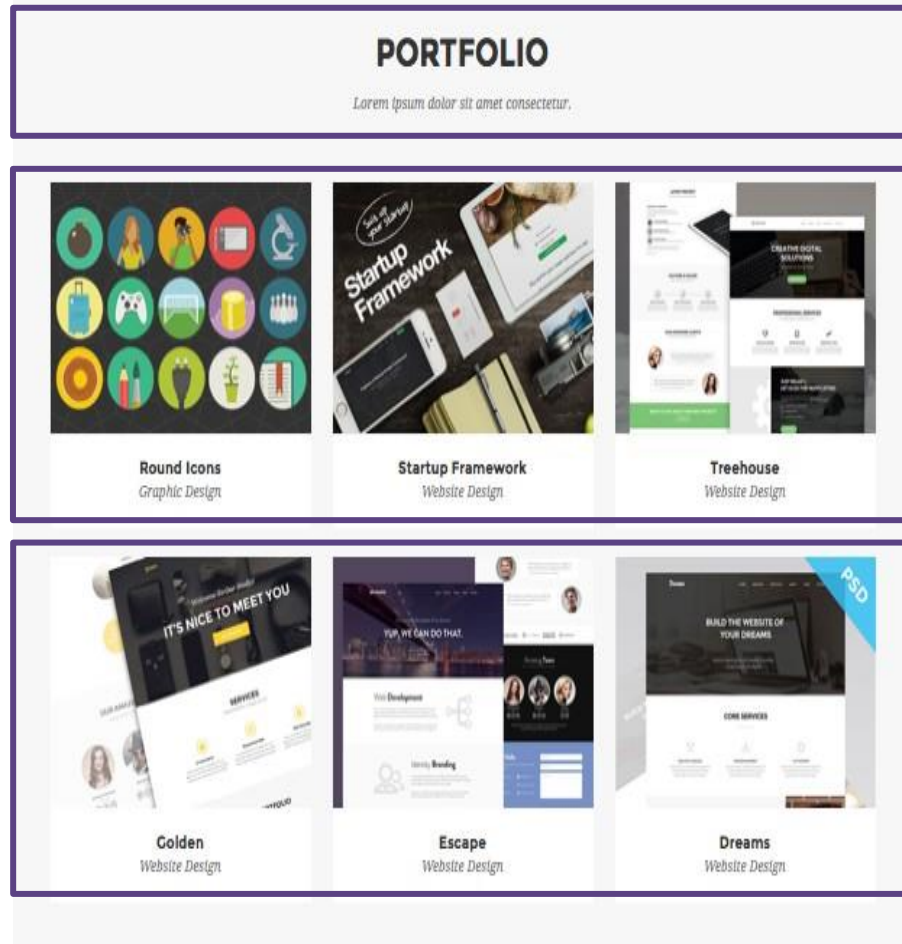
Bootstrap Row Example


```
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
```
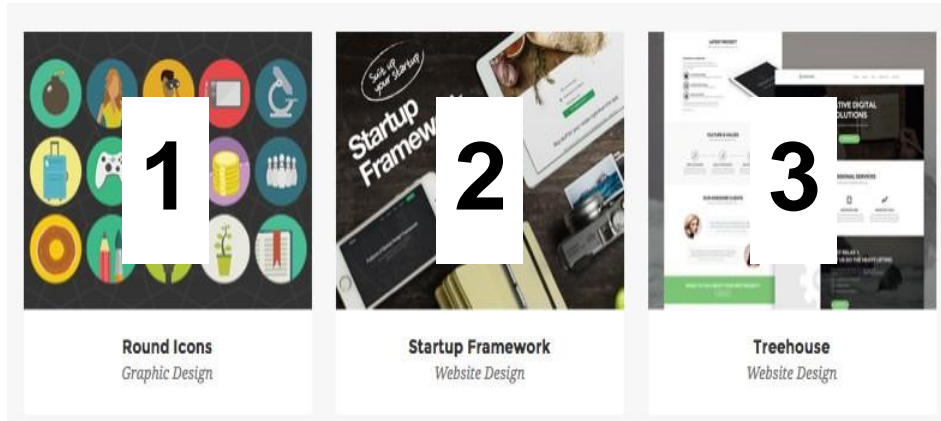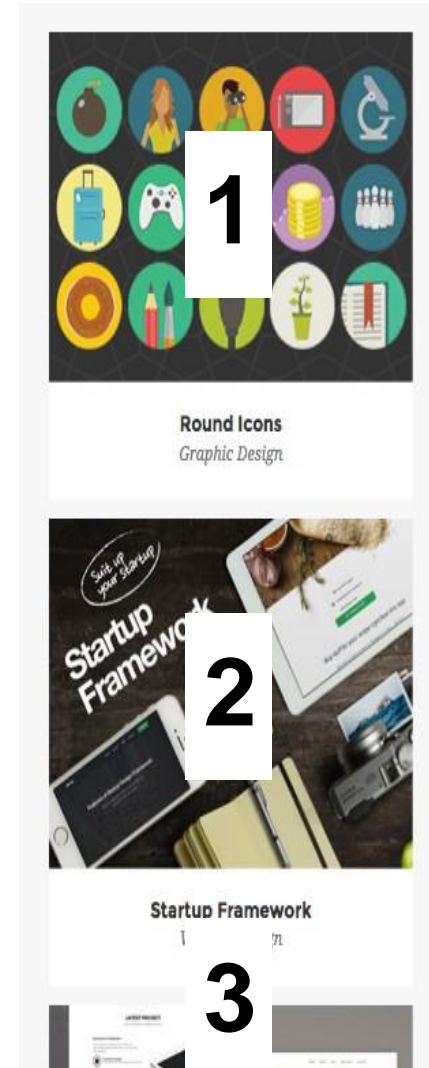
Bootstrap Responsive Grid

Columns will stack when responsive

Bootstrap Responsive Grid

Desktop

Mobile

Columns stack on mobile