

# Bootstrap

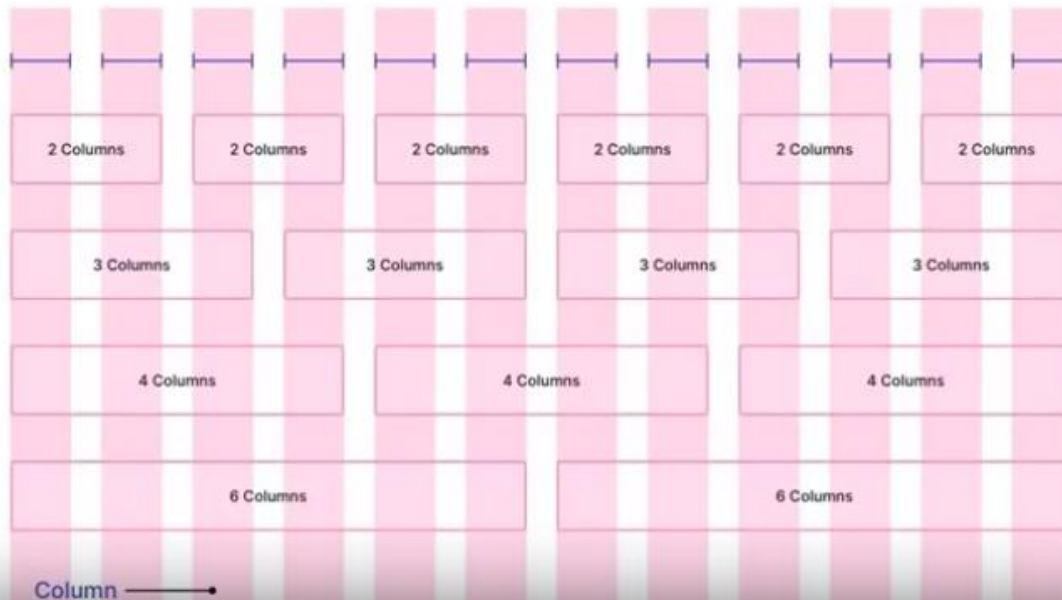
- Most Popular Frontend framework
- For building responsive sites
- Bootstrap, originally named Twitter Blueprint, was developed by Mark Otto and Jacob Thornton at [Twitter](#) as a framework to encourage consistency across internal tools.

# Bootstrap

- Bootstrap = (Grid System + Classes + Components)

# Bootstrap

- Grid System (For Responsiveness)



# Bootstrap

- Classes

Example : img-fluid class for making image Responsive

```

```

# Bootstrap

- Components (Button)

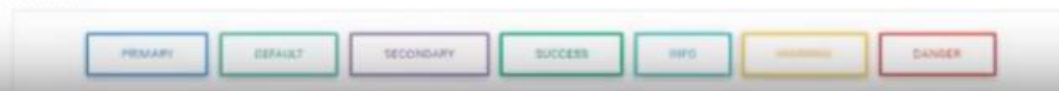
Basic examples



Additional styles



Outline



# Bootstrap

- Components (Alert)

A simple primary alert—check it out!

A simple secondary alert—check it out!

A simple success alert—check it out!

A simple danger alert—check it out!

A simple warning alert—check it out!

A simple info alert—check it out!

# Bootstrap

- Pagination
- Accordion
- Carousel
- Navs and tabs
- Pagination
- Scrollspy
- Forms
- And many more...

# Bootstrap

Bootstrap Documentation is the best place for reference.



# Bootstrap

## 2 Projects

1. Zero CSS (Grid System + Classes + Components)
2. Custom Design (Grid System)



# Bootstrap

- CDN
- Download and attach



# Bootstrap



## Old Websites



# Bootstrap



Mobile Devices arrived

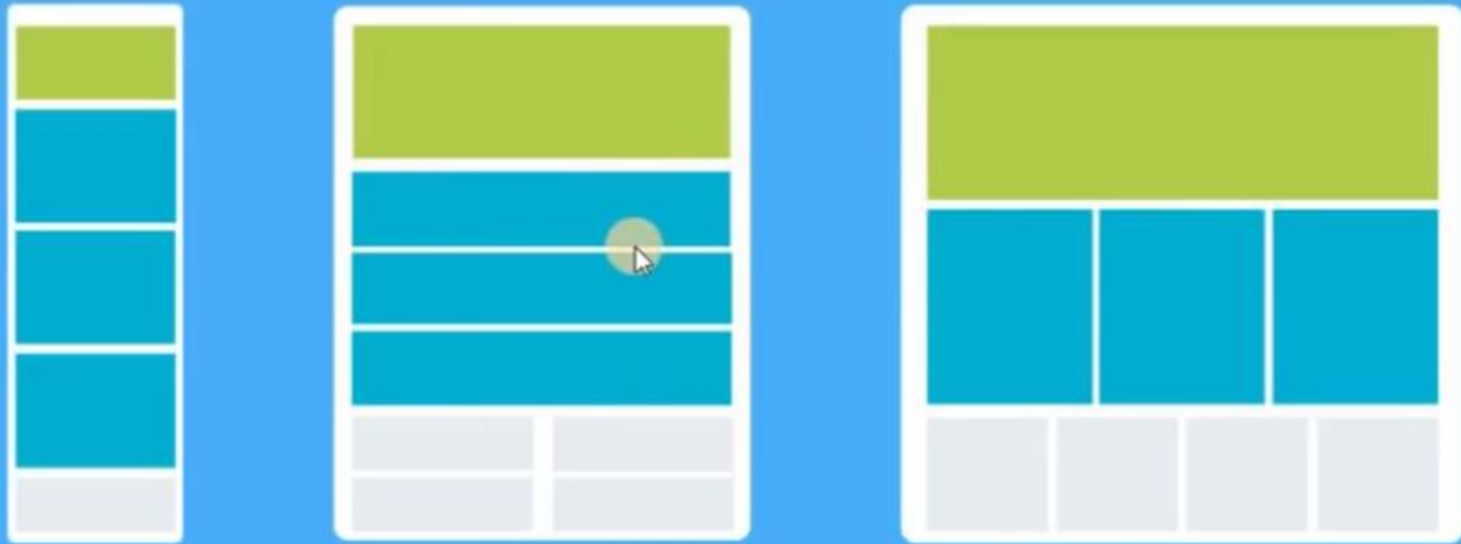


# Bootstrap

**Solution:** Responsive Website

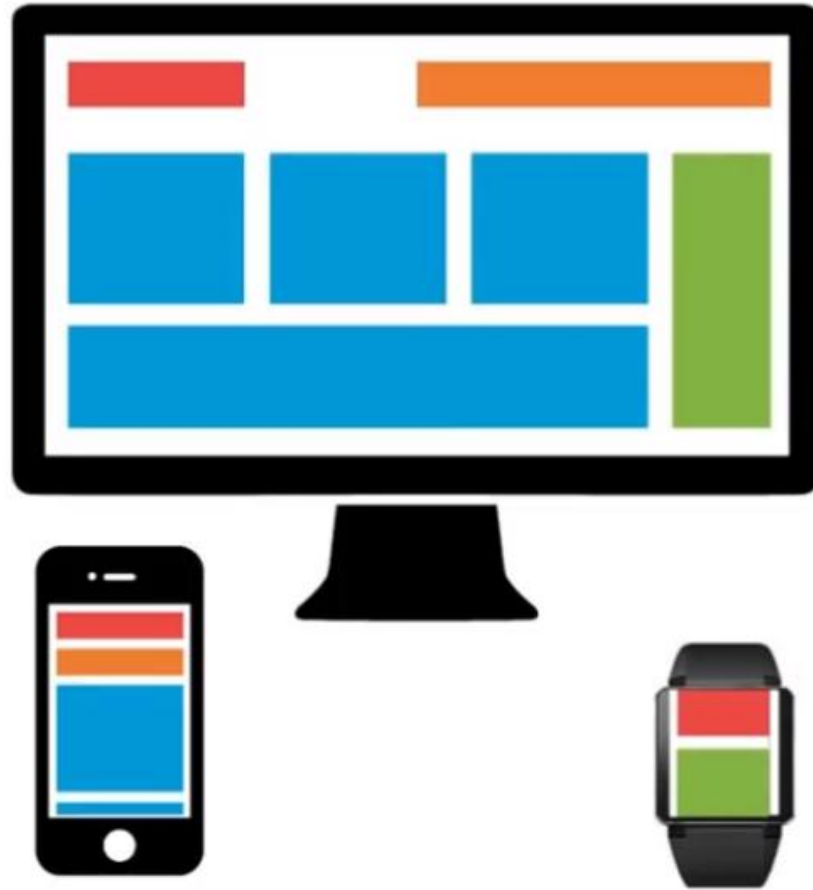


# Bootstrap

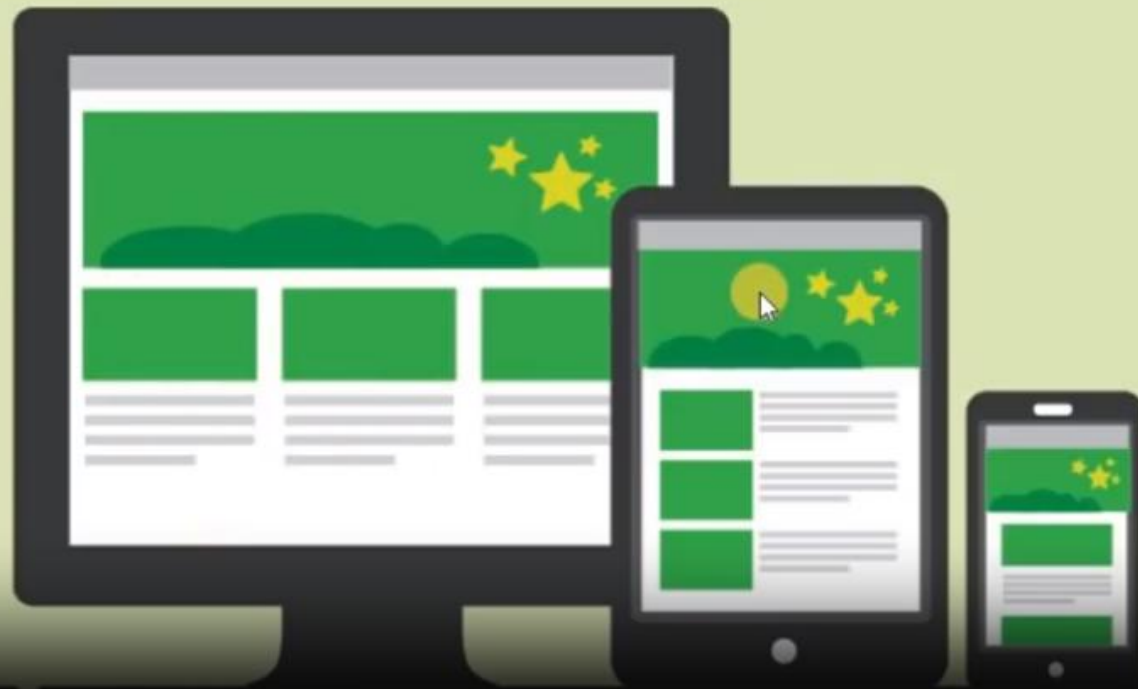


CSS Media Queries

# Bootstrap



# Bootstrap



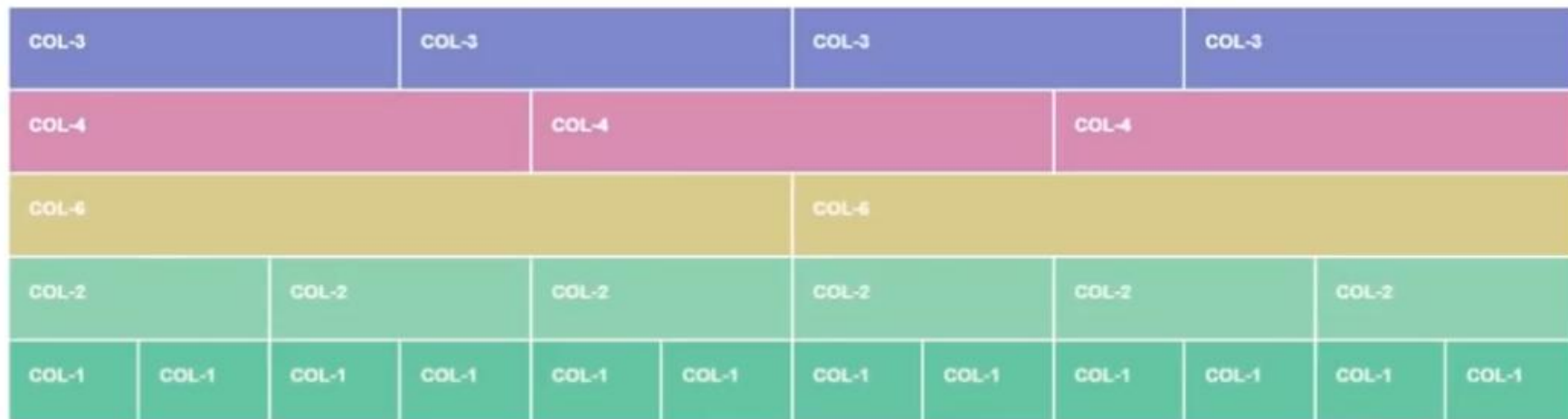
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# Bootstrap

Bootstrap grid system do the same task



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



# Grid System

# Bootstrap

## Bootstrap Grid System

1. Breakpoint
2. Container
3. Row
4. column

# Bootstrap

## 1. Breakpoints

Breakpoint	Class infix	Dimensions
X-small	-	0px - 575px
Small	sm	576px - 767px
Medium	md	768px – 991px
Large	lg	992px – 1199px
Extra Large	xl	1200px – 1399px
Extra extra Large	xxl	>= 1400px

# Bootstrap

## 2. Container

Wrapper that contain the website  
Website width depends on wrapper width

Example: Compare

<https://passwordsgenerator.net/>

And

<https://www.lastpass.com/password-generator>



# Bootstrap

## 3. Row

```
<div class="container">
```

```
  <div class="row"> </div>
```

```
</div>
```

It is divided into 12 column



# Bootstrap

## 4. Column (classes)

col-1

Col-2

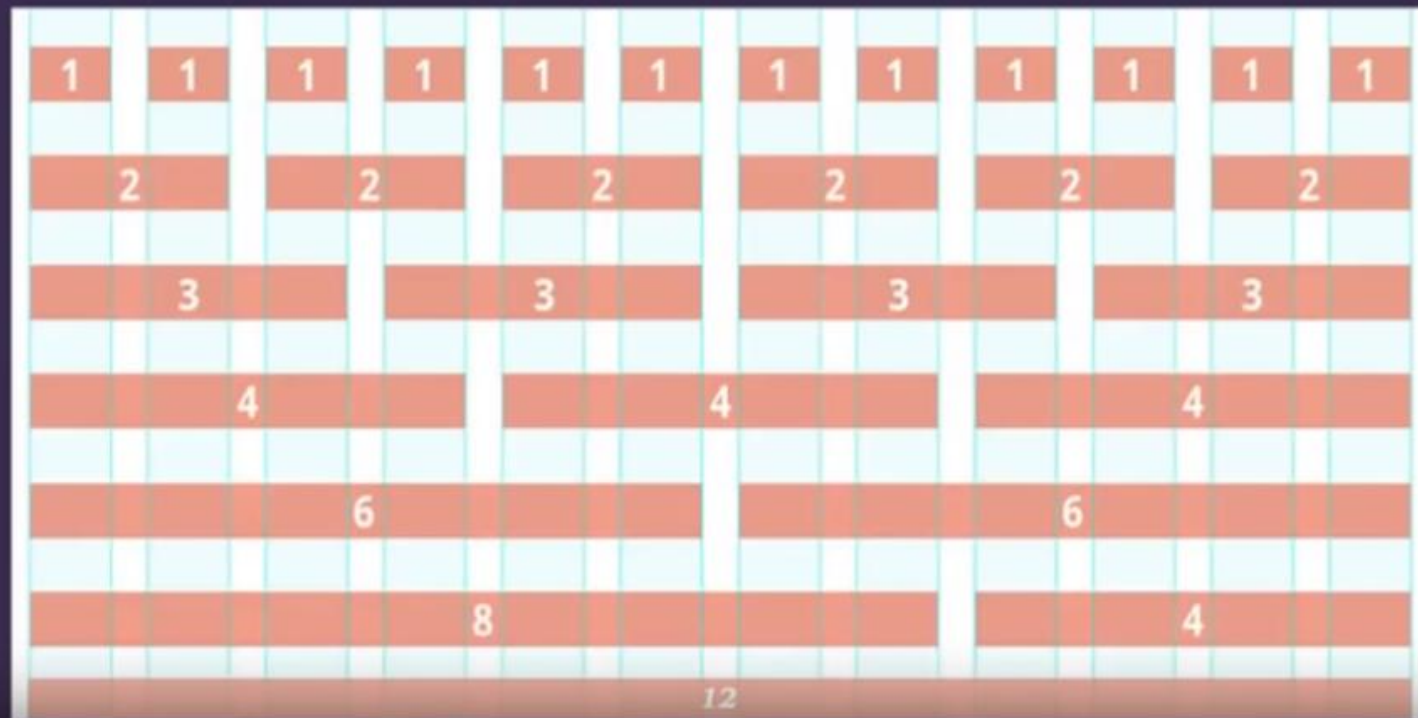
Col-3

Col-4

Col-6

Col-8 and col-4

`<div class="col-12"> </div>`



# Bootstrap

## 3. Row

Row is a **div** which contain column

Div with column class must be in a row parent. col div cannot be inside a col div.

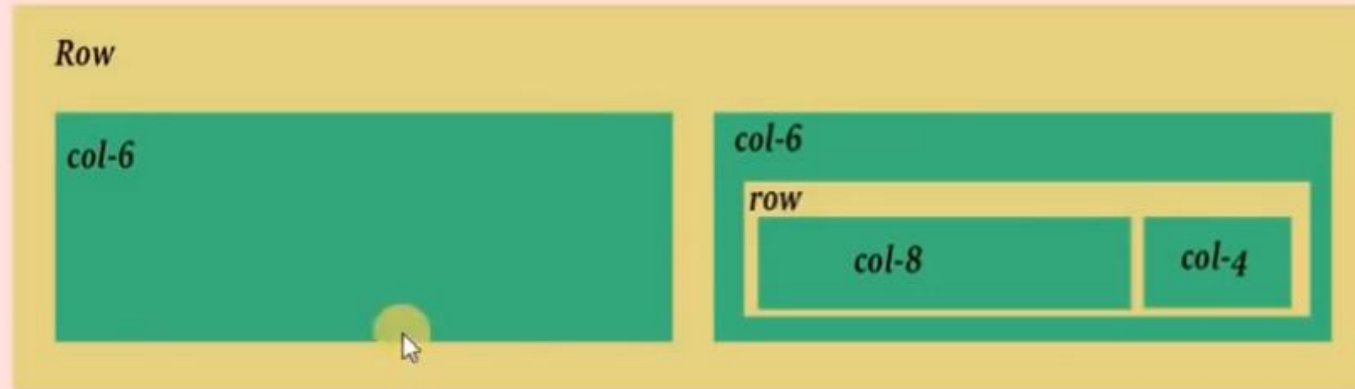
When ever you define a div with row class it divide that div in 12 column



# Bootstrap

## 3. Row

*container*



Row is a div which contain column

Div with column class must be in a row parent. col div cannot be inside a col div.

When ever you define a div with row class it divide that div in 12 column



48:29 / 6:26:48





Container