



Bootstrap

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Technical Trainer

# Bootstrap

## Front-End Framework for Responsive Web Sites



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B

The most popular front-end framework for developing responsive, mobile first projects on the web.





The most popular front-end framework for developing responsive,  
mobile first projects on the web.

Download Bootstrap

Currently v3.1.1

# Bootstrap

## Introduction

# What is Bootstrap?

- Bootstrap is a front-end framework for responsive Web sites
  - Developed by former Twitter employees (a.k.a. Twitter Bootstrap)
  - Open-source, available at GitHub:  
<https://github.com/twbs/bootstrap>
  - Dramatically simplifies the development of responsive sites
  - Built on 12-column fluid **grid system**
  - Manages most of your UI: typography, lists, tables, forms, buttons, images, navigations, alerts, pagination, panels, etc.
  - Official site: <http://getbootstrap.com>



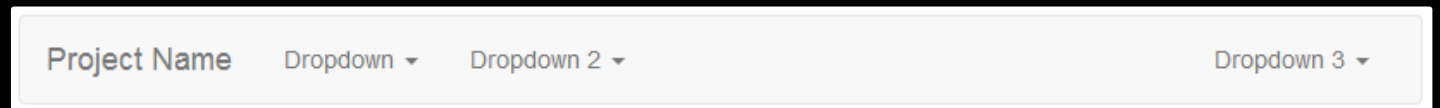
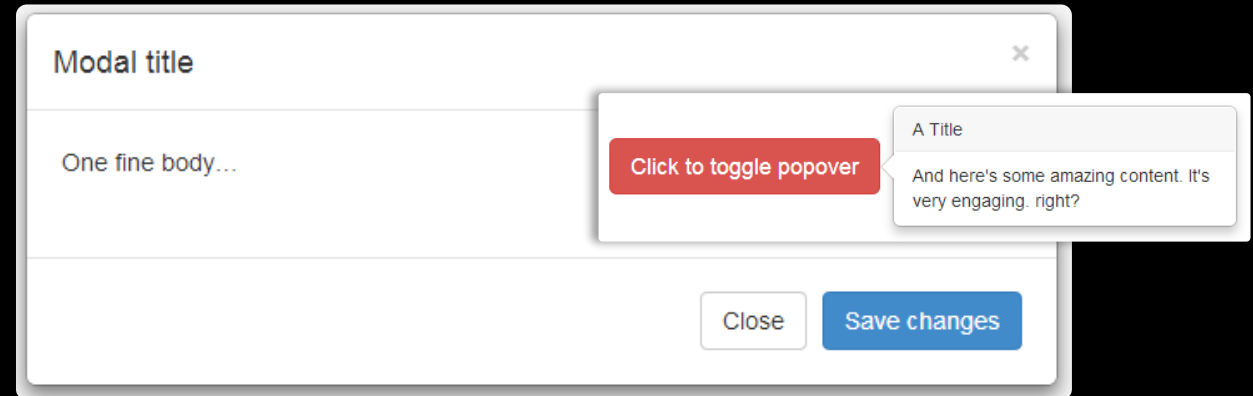
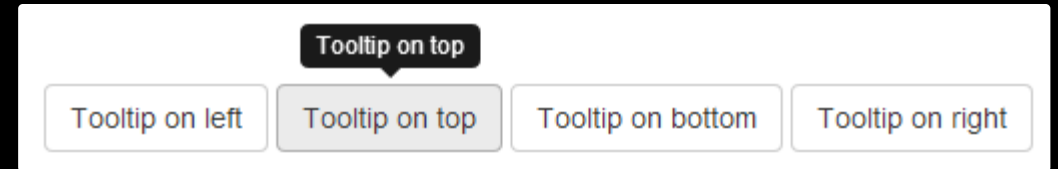
# Bootstrap Features

- Grid system
  - 12-column fluid grid system for phones / tablets / desktops
- Predefined UI design CSS styles for the most page elements
  - Typography: headings, subheadings, fonts, colors, lists, etc.
  - Tables, forms and controls, buttons, image shapes, etc.
- Components
  - Glyph icons, dropdowns, button groups, input groups, tabs, navigation bars (site headers), breadcrumbs, pagers, labels, badges, jumbotrons (showcases), thumbnails, alerts, list groups, ...

# Bootstrap Features (2)

- Bootstrap JavaScript extensions (jQuery plugins)

- Modal popup dialogs
- Tooltips and popovers
- Alerts
- Special buttons
- Accordion
- Carousel



- Bootstrap themes: [bootswatch.com](http://bootswatch.com), [bootstrapzero.com](http://bootstrapzero.com), ...



Bootstrap

Getting started

CSS

Components

JavaScript

Customize

# Getting started

An overview of Bootstrap, how to download and use, basic templates and examples, and more.

## Bootstrap Getting Started

# Getting Started with Bootstrap

- Download Bootstrap from:
  - <http://getbootstrap.com/getting-started/#download>
- Creating and Bootstrap-based HTML page:

```
<head>
  <link href="css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
  ...
  <script src="https://ajax.googleapis.com/
ajax/libs/jquery/1.11.0/jquery.min.js"></script>
  <script src="js/bootstrap.min.js"></script>
</body>
```



# Bootstrap Grid System

- Bootstrap includes a responsive, mobile first **fluid grid system**
  - Scales up to 12 columns as the screen size increases
  - Uses predefined CSS classes for layout



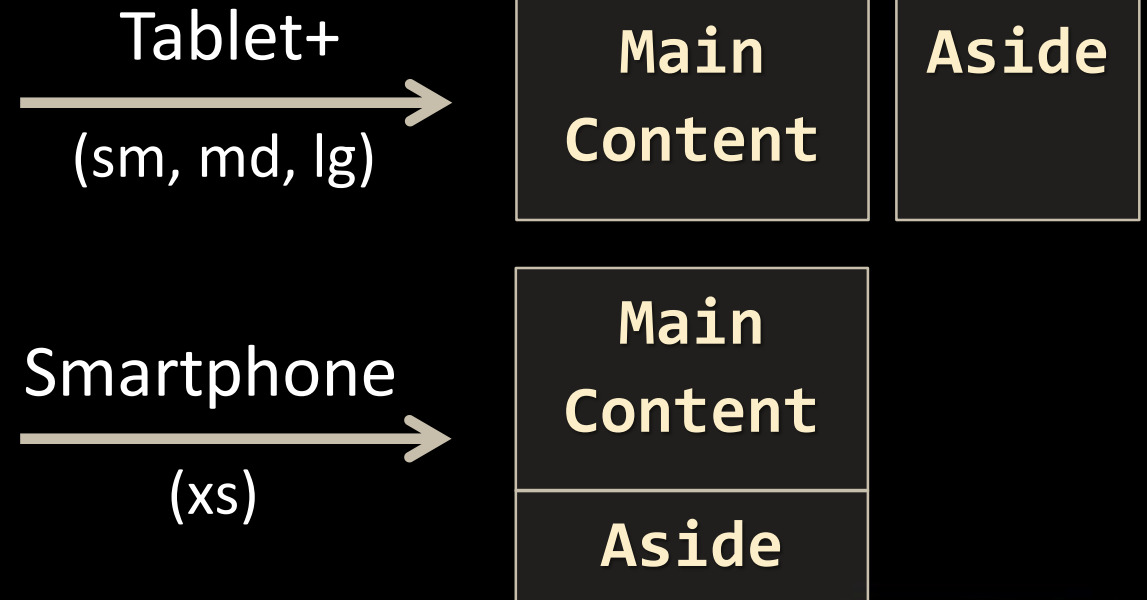
# Bootstrap Screen Sizes

- Bootstrap is designed to support 4 types of devices:
  - **Extra small devices** like smart phones (width < 768px) – **xs**
  - **Small devices** like tablets (width ≥ 768px) – **sm**
  - **Medium devices** like desktop computers (width ≥ 992px) – **md**
  - **Large devices** like large desktops (width ≥ 1200px) – **lg**
- It may define column spans for different screen sizes
  - Show / hide columns (e.g. hide the sidebar n smart phones)
  - Done through CSS classes, no additional CSS, no JavaScript

# Bootstrap Grid: CSS Classes

- Put everything in **.container > .row**
- Use **.col-sm-9** to use 9 columns for tablets and larger screens
- Use **.col-lg-3** to use 3 columns for desktops and larger screens

```
<div class="container">
  <div class="row">
    <div class="col-sm-9">
      Main Content</div>
    <aside class="col-sm-3">
    </div>
  </div>
</div>
```



Bootstrap theme

Home

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Dropdown ▾

DefaultPrimarySuccessInfoWarningDangerLink

DefaultPrimarySuccessInfoWarningDangerLink

DefaultPrimarySuccessInfoWarningDangerLink

## Tables

#	First Name	Last Name	Username
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat

# Bootstrap

## Live Demo



# Bootstrap



## Questions?

