Bootstrap

**What is it?**

* Free, open-source front-end framework – a CSS responsive framework
* Allows for easy creation of: responsive websites with cross browser compatibility
* Without bootstrap, responsive website require media queries
* With bootstrap, you can just give your divs class names to make it responsive
* Bootstrap uses HTML elements and CSS properties that require the HTML5 doctype
* Bootstrap 3 is designed to be responsive to mobile devices – Mobile-first styles are part of the core framework
* Bootstrap also requires a containing element to wrap site contents – 2 to choose from (below)

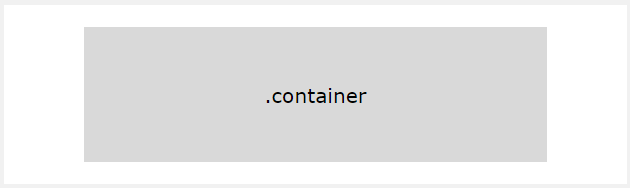
\*Uses jQuery for JavaScript plugins – if only using the CSS portion then jQuery doesn’t need to be included\*

**Where to get it:**

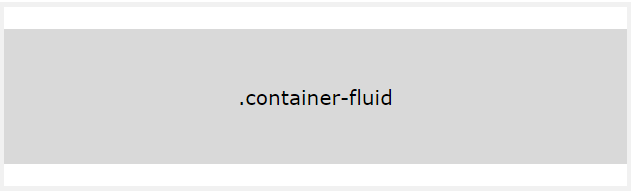
* [getbootstrap.com](http://getbootstrap.com/getting-started/) OR
* Include it from a Content Delivery Network (CDN)

**2 Basic Bootstrap Pages: (Container classes)**

* .container 🡪 provides a responsive **fixed width container**



* **.container-fluid 🡪** provides a **full width container**, spanning the entire width of the viewport



**Grid System Basics:**

\*Bootstrap's grid system is responsive, and the columns will re-arrange automatically depending on the screen size\*

* Bootstrap’s grid system allows up to 12 columns across the page
* Can group the columns together to create wider columns
* \*\*Column lengths / widths should add up to 12 for each row\*\*

Grid Classes:

* XS: phones - screens less than 768px wide
* SM: tablets - screens equal to or greater than 768px wide
* MD: small laptops - screens equal to or greater than 992px wide
* LG: laptops and desktops - screens equal to or greater than 1200px wide

**Text / Typography:**

* Default Settings
* Bootstrap VS Browser Defaults

**Tables – Basic Table:**

* General Table Classes:
* .table 🡪 adds basic styling to a table
* .table-striped 🡪 adds zebra stripes
* Responsive Tables:
* .table-responsive
* Contextual Classes:
* used to color table rows <tr> or table cells <td>
* include: .active, .success, .info, .warning, .danger

**Images:**

* General:
* .img-rounded: rounded corner
* .img-circle
* .img-thumbnail
* Responsive Images:
* Images come in all sizes just as computer screens do – responsive images adjust automatically to fit the size of the screen
* **.img-responsive**: applies display: block, height: auto, & max-width: 100%

* Responsive Embeds

**Jumbotron:**

**Wells:**

* .well: adds a rounded border around an element with a gray background color and some padding
* .well-md 🡪 default
* .well-sm & .well-lg 🡪 other options

**Alerts:**

* .alert: creates predefined alert messages; alert is followed by one of the 4 contextual classes
* .alert-success, .alert-info, .alert-warning, .alert-danger
* Alert Links
* Closing Alerts
* Animated Alerts

**Buttons:**

* <button type="button" class="btn">Basic</button>
* <button type="button" class="btn-default">Default</button>
* other button classes: -primary, -success, -info, -warning, -danger, -link
* \*button classes can be used on <a>, <button>, or <input>
* Button Sizes
* Block Level Buttons:
* .btn-block
* Active / Disabled Buttons:
* .active: makes a button appear pressed
* .disabled: makes a button unclickable

\*Button Groups\*

**Glyphicons:**

* Glyphicons can be used in text, buttons, toolbars, navigation, forms, etc.
* Bootstrap provides 260 glyphicons from the [Glyphicons](http://glyphicons.com/) Halflings set
* <span class="glyphicon glyphicon-name"></span> //name being the name of the glyphicon

**Badges & Labels:**

* Badges: numerical indicators of how many items are associated with a link
* .badge:
* Labels: used to provide additional information about something
* .label
* 6 label contextual classes: -default, -primary, -success, -info, -warning, -danger

**Progress Bars:**

* Basic Progress Bar:
* .progress: add this class to a <div>
* Progress Bar w/ Label
* Colored, Striped, Animate, & Stacked Progress Bars

**Pagination:**

* Websites w multiple pages – may wish to add some sort of pagination to each page
* .pagination: add this class to an <ul>
* Active State:
* Add .active class to the <li> in the <ul> to show user which page they are on
* Breadcrumbs:
* .breadcrumb: indicates the current page's location within a navigational hierarchy
* \*use this class in place of .pagination on the <ul> element
* Disabled State
* Pagination Sizing

Pager:

* A form of pagination that provides previous & next buttons (links)
* .pager: add this class to the <ul> element
* Align Buttons:
* use .previous & .next classes on the <li> elements to align buttons to side of page