

# Basic Bootstrap Classes

## **.container**

- sets fixed width to an element (which changes depending on a screen size to other fixed values, so it's still responsive) on all screen sizes except xs - on xs, the width is calculated automatically (this behaviour can be changed)
- a fixed width responsive website should be wrapped in .container (or just the content without menu, whatever - it's up to you)
- .container can't be nested!

## **.container-fluid**

- sets 100% width, margin-left and margin-right: auto, padding-left and padding-right: 15px
- a full screen website should be wrapped in .container-fluid
- .container-fluid can't be nested!

## **.row**

- creates horizontal groups of columns (which usually have width classes, see below)
- must be within .container to ensure correct padding and alignment
- only columns (block elements with width classes) may be immediate children of rows
- sets margin-left and margin-right: -15px

## **.pull-right**

## **.pull-left**

- sets float to either left or right

## **.center-block**

- sets margin-left and margin-right to auto

## Bootstrap Grid Classes

- can be nested, the nested columns must be wrapped in .row as well
- all columns have float: left and position: relative styles

.col-xs-1

.col-xs-12

- sets width of a column (specified in %) on extra small screens (<768px)

.col-sm-1

.col-sm-12

- sets width of a column (specified in %) on small screens (≥768px)

.col-md-1

.col-md-12

- sets width of a column (specified in %) on medium size screens (≥992px)

.col-lg-1

.col-lg-12

- sets width of a column (specified in %) on large screens (≥1200px)

.col-xs-offset-\* (.col-xs-offset-1, .col-xs-offset-2, .col-xs-offset-3 ... up to -12)

.col-sm-offset-\* (.col-sm-offset-1, .col-sm-offset-2, .col-sm-offset-3 ... up to -12)

.col-md-offset-\* (.col-md-offset-1, .col-md-offset-2, .col-md-offset-3 ... up to -12)

.col-lg-offset-\* (.col-lg-offset-1, .col-lg-offset-2, .col-lg-offset-3 ... up to -12)

- sets offset (margin-left) by specified number of columns (eg. set .col-sm-offset-3 class to a column to move it by three columns on small screens)

.col-xs-pull-\* (.col-xs-pull-1, .col-xs-pull-2 ... up to -12)

.col-sm-pull-\* (.col-sm-pull-1, .col-sm-pull-2 ... up to -12)

.col-md-pull-\* (.col-md-pull-1, .col-md-pull-2 ... up to -12)

.col-lg-pull-\* (.col-lg-pull-1, .col-lg-pull-2 ... up to -12)

- sets left position in % as it is with columns (e.g. left: 75% with -pull-9)

.col-xs-push-\* (.col-xs-push-1, .col-xs-push-2 ... up to -12)

.col-sm-push-\* (.col-sm-push-1, .col-sm-push-2 ... up to -12)

.col-md-push-\* (.col-md-push-1, .col-md-push-2 ... up to -12)

.col-lg-push-\* (.col-lg-push-1, .col-lg-push-2 ... up to -12)

- sets right position in % as it is with columns (e.g. right: 25% with -push-3)

## Bootstrap Visibility Classes

- you can apply all as many of these classes on a single element as you wish and this mixing gives you even more possibilities for your layout

### `.clearfix`

- obvious, clear: both
- often combined with classes below

### `.visible-xs-block` and `.visible-xs`

### `.visible-sm-block` and `.visible-sm`

### `.visible-md-block` and `.visible-md`

### `.visible-lg-block` and `.visible-lg`

- displays element (sets display: block property) only on screens with specified size and hides it (sets display: none) on screens of other sizes automatically
- often combined with `.clearfix` so that `clearfix` is effective only on the selected screen size

### `.visible-xs-inline-block`

### `.visible-sm-inline-block`

### `.visible-md-inline-block`

### `.visible-lg-inline-block`

- displays element (sets display: inline-block property) only on screens with specified size and hides it (sets display: none) on screens of other sizes automatically

### `.visible-xs-inline`

### `.visible-sm-inline`

### `.visible-md-inline`

### `.visible-lg-inline`

- displays element (sets display: block property) only on screens with specified size and hides it (sets display: none) on screens of other sizes automatically

**.hidden-xs**

**.hidden-sm**

**.hidden-md**

**.hidden-lg**

- hides element (sets display: none property) only on screens with specified size and hides it (sets display: none) on screens of other sizes automatically

**.visible-print-block**

- displays element (sets display: block) in print (pre)view

**.visible-print-inline**

- displays element (sets display: inline) in print (pre)view

**.visible-print-inline-block**

- displays element (sets display: inline-block) in print (pre)view

**.hidden-print**

- hides element (sets display: none) in print (pre)view

# Bootstrap Typography Classes

- default font-size of <body> a <p> elements is 14px, line-height 1.428; <p> also has margin-bottom of half of its line-height (20px with 14px font), therefore 10px by default
- all elements like b, big, code, em, i, mark, small, strong, sub, sup, ins, del, s, u, abbr, address and blockquote (and small and cite inside) are properly styled
- vast majority of these classes are most often set to either paragraph, strong or em elements

## .page-header

- class for a wrapping div of a heading
- adds some margin, padding and border-bottom

## .h1

## .h2

## .h3

## .h4

## .h5

## .h6

- makes an element look like heading of a chosen level

## .lead

- for highlighting an element
- sets element's font-size to 21px, font-weight: 300, line-height: 1.4 and margin-bottom: 20px

## .text-left

## .text-center

## .text-right

## .text-justify

- aligns texts, usually paragraphs, with text-align CSS property

## .text-nowrap

- keeps the whole text with this class on a single line, no wrapping occurs because of white-space: nowrap CSS property of this class

**.text-lowercase**

**.text-uppercase**

**.text-capitalize**

- sets text-transform CSS property to make all characters inside the element with this class lowercase, uppercase or capitalized

**.text-muted**

- makes text grey

**.text-primary**

- makes text blue

**.text-success**

- makes text green

**.text-info**

- makes text dark blue

**.text-warning**

- makes text dark yellow

**.text-danger**

- makes text red

## Bootstrap Lists' Classes

### .list-unstyled

- removes list-style and margin-left on list items
- doesn't apply for nested lists (if needed, the nested list has to have .list-unstyled class as well)

### .list-inline

- places list items on a single line (with display: inline-block and padding)

### .dl-horizontal

- class for a definition list (<dl>)
- sets nice styles for <dt> and <dd> within the definition list (text align, font-weight)

### .list-group

- class for the parent element (usually <ul>, but can be <div> as well) of list items
- list items have to have .list-group-item class

### .list-group-item

- class for .list-group children elements
- for a nicer look of the list items
- usually on <li>, but can be <a> as well

### .list-group-item-heading

- for a heading within .list-group-item, often <h4> or similar low-level heading

### .list-group-item-text

- for text within .list-group-item, often in the paragraph tag or just in a span

## Bootstrap Tables' Classes

### .table

- for an ordinary table
- table heading has only border-bottom and <td>s have only border-top

### .table-striped

- every odd line will be darker for a nicer look (using :nth-child selector)
- table heading <th> has only border-bottom and <td>s have only border-top



- should be combined with `.table` class

## `.table-bordered`

- table with borders all around
- should be combined with `.table` class

## `.table-hover`

- class for a table
- adds hover/focus effect on the table's `tbody` rows
- should be combined with `.table` class

## `.table-condensed`

- should be combined with `.table` class
- for an ordinary table with half cell padding, so rows are not that high

## `.table-responsive`

- class for a wrapper (! mostly `div`) of a table to keep it responsive in the way that scrollbar appears on extra small devices

## `.active`

## `.success`

## `.info`

## `.warning`

## `.danger`

- classes for either `<tr>` or just `<td>`
- sets background color for all `<td>` in a table row (or just one `<td>`) to grey (active) / green (success) / blue (info) / yellow (warning) / red (danger)

# Bootstrap Forms' Classes

- don't forget that even form elements can be in the Bootstrap grid, so don't be afraid to use `.row` inside a form and then `col-*-*` wrappers

## `.form-group`

- when creating vertical forms, it's a class for its wrapper (mostly `div`) of each label and its input, adds some `margin-bottom`

## `.form-control`

- for every form element (`input`, `textarea...`), gives it 100% width
- to make it narrower, use a narrower wrapper (`row` and `col-*-*` `divs`)

## `.form-control-static`

- for a paragraph that replaces a form element (`input...`)

## `.form-horizontal`

- for horizontal forms where label is on the same line as input
- you have to use column classes (like `col-xs-10`) for each label and its input (or whatever it is)
- still combined with `.form-group` wrapper and `.form-control` classes

## `.form-inline`

- for a single line form (but still vertical on extra small screens)
- often used with the `placeholder` attribute to not need labels
- labels of inline forms should get `.sr-only` class to be positioned so that they can't be seen (but they won't get `display: none` or `visibility: hidden` property)

## `.input-lg`

## `.input-sm`

- makes a form element like `input` or `select` either bigger or smaller than default

## `.input-group-lg`

## `.input-group-sm`

- classes for `.input-group` (see further)
- always used together with `.input-group` class

## `.input-group`

- class for a wrapper of `.input-group-addon` or `.input-group-btn`
- used instead of `form-group` when the classes above are used

## `.input-group-addon`

- class for a span that serves as a wrapper for either `.glyphicon` or a radio/checkbox input
- adds your choice (glyphicon...) on the inner edge of an input field with grey background
- the span with this class can be either before or after input, depends where you want the icon to show (the left or right side of the input)
- must be within `.input-group`

## `.input-group-btn`

- class for a span that serves as a wrapper for a button that looks like it was within a form input
- the span with this class can be either before or after input, depends where you want the button to show (left or right side of the input)
- contains `<button>` (the button can also include `.dropdown-toggle` class, span with `.caret` class and `data-toggle="dropdown"` attribute for even more complicated buttons)
- must be within `.input-group`

## `.caret`

- class for an empty span that creates a dropdown arrow

## `.help-block`

- class for a span that serves as a help text for users
- has to be placed right after an input of a form

## `.has-success`

## `.has-warning`

## `.has-error`

- classes for wrapping divs with `.form-group` class
- colours the label, input and `.help-block` span inside to green/yellow/red
- the label within the wrapper with one of these classes has to have `.control-label` class to be coloured as well

## `.has-feedback`

- class for the wrapping divs with `.form-group` class when you also use `glyphicon` for the input within the wrapper

To disable input, use `disabled="disabled"` or `readonly="readonly"`,  
To disable whole fieldset, wrap form-groups to fieldset with `disabled="disabled"`

## Bootstrap Image Classes

- images should have `.img-responsive` or `.thumbnail` to be responsive and be wrapped in a column wrapper (like `col-xs-3...`)

### `.img-rounded`

- `img` class that provides little `border-radius`

### `.img-circle`

- `img` class that provides 50% `border-radius` making the `img` circle shaped

### `.img-thumbnail`

- `img` class that provides a 1px solid grey border, 4px padding, white background, `display: inline-block` property and fast CSS3 transition

### `.thumbnail`

- class for a wrapping div (or `<a>` in case of gallery) of an image, adds some styles (`border`, `padding`, `background`, `transition`) and set's the image `max-width: 100%`, `height: auto`; `display: block`; and `margin-left` and `margin-right: auto`

### `.img-responsive`

- `img` class that makes any image responsive (scaling to the parent element) as it has `max-width: 100%` and `height: auto`
- may not work if placed in a floating element!

### `.caption`

- class for a div inside `.thumbnail` element (`a` or `div`) that may include `h3`, `p`, `a` (also buttons) for a proper margin/padding

### `.media`

- class for a div (or `li`, whatever) that may contain an image, a heading, some `<small>` text and paragraphs
- ensures proper image margin/padding
- heading inside should also have `media-heading` attribute and should be (together with paragraphs) wrapped in a `.media-body` wrapper
- any image within should have `.pull-left` or `.pull-right` class to float

### `.media-list`

- class for a list (ul, ol) that contains .media inside
- ensures better margin/padding

## .glyphicon

- base class for glyphicons (font-based icons), sets font, its styles and positioning
- should be used on a span

## .glyphicon-\* (replace the star with any name of a glyphicon from this list)

- sets picture via font and :before CSS3 selector with content of the font
- must be used together with .glyphicon class to show proper image
- should be used on a span

## Bootstrap Embed Classes

### `.embed-responsive`

- general class for responsive embedding wrapper

### `.embed-responsive-4by3`

### `.embed-responsive-16by9`

- specific class for the embed wrapper with ratio already set
- used together with `.embed-responsive` class

### `.embed-responsive-item`

- used on the iframe or whatever it is inside the wrapper

# Bootstrap Navigation Classes

## .nav

- the basic class for every navigation structure (<ul>), removes any list-style, left padding and bottom margin
- also sets display: block and position relative for its <li> children
- must be set on every navigation

## .active

- class for a list item (nav item, li) that makes it look active / current

## .nav-tabs

- class for navigation structure that gives it a tab style (proper borders + float: left)

## .nav-pills

- class for navigation structure that gives it a pills style (background on active nav item)

## .nav-stacked

- makes vertical pills navigation
- used together with .nav-pills (and .nav of course)

## .dropdown

- class for an
- nav item to make it dropdown
- needs additional classes elsewhere to work (see below)

## .dropdown-toggle

- class for an <a> which is within <li class="dropdown"> to make a dropdown menu
- needs additional classes elsewhere to work (see below)

## .dropdown-menu

- class for an <ul> which is within <a class="dropdown-toggle"> to make a dropdown menu
- provides proper displaying and hiding
- the most important dropdown menu class
- needs .dropdown and .dropdown-toggle classes on parent elements (see above)

## .nav-justified



- class for an `<ul>`, together with `.nav-tabs` or `.nav-pills` creates a navigation with centered text and links' parent elements of the same width

## **.disabled**

- class for `<li>` in a navigation
- disables the link inside VISUALLY and also adds a special mouse cursor, but the link remains active - you need to remove the `href` attribute of the `<a>` to completely disable the link

# Bootstrap Navbar Classes

- the difference between nav and navbar classes is the fact that navbar can collapse the whole nav (the nav can't do it on its own)

## .navbar

- basic class for a navigation wrapper (usually <nav>), sets border, bottom margin, min-height and position: relative
- if it's not supposed to be fixed, can be placed anywhere in .container or .container-fluid

## .navbar-default

- sets other basic styles for a navigation wrapper (background gradient and box-shadow) and also its items (including .active class on <li>s)
- for dark colours, see .navbar-inverse below

## .navbar-inverse

- variation of navbar-default but with dark colours
- never use navbar-default and navbar-inverse on one element as it doesn't make any sense

## .navbar-brand

- sets styles for special hyperlinks and other "simple text" in a menu (float: left, bigger font size, some padding, text-shadow...)

## .navbar-fixed-top

## .navbar-fixed-bottom

- additional class to .navbar that makes the navigation fixed at the top (or bottom) of the page as you scroll
- used together with .navbar and also .navbar default (just to keep the nice look)
- you should add some top or bottom padding to your <body> to not let the navbar overflow your content

## .navbar-static-top

- removes top, right and left border and also border-radius of your navigation

## .breadcrumb

- class for <ul> that serves as breadcrumbs
- gives breadcrumbs a cool look

## **.pagination**

- class for <ul> that serves as pagination
- properly styles <li> within this pagination also with .disabled and .active classes (keep in mind that .disabled doesn't remove link's functionality)

## **.pagination-lg**

## **.pagination-sm**

- used on <ul> together with .pagination, makes pagination either bigger or smaller than default

## **.pager**

- used on <ul>, styles "Previous" and "Next" links to look better with a grey border
- its list items can have .previous, .next and also disabled classes for even better styling

## **.next**

## **.previous**

- used on <li> within <ul class="pager">, adds arrows to the links