Utility Classes

Bootstrap

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- Utility Classes

Utility Classes

(Bootstrap)

Bootstrap
(Width)

Class	Description
.w-25	To set width as 25%
.w-50	To set width as 50%
.w-75	To set width as 75%
.w-100	To set width as 100%

Bootstrap
(Height)

Class	Description
.h-25	To set height as 25%
.h-50	To set height as 50%
.h-75	To set height as 75%
.mh-100	To set maximum height as 100%

Bootstrap
(Grid – Order classes)

- .order-{ sm | md | lg | xl }-{number} classes

  - for controlling the visual order of the content

  - Number range 1 ~ 12

- These classes are responsive, so you can set the order by breakpoint (e.g., .order-1 or .order-md-2)

- Includes support for 1 through 12 across all five grid tiers

Bootstrap
(Margin and padding classes)

- For xs : {property}{sides}-{size}

- For sm, md, lg and xl

    - {property}{sides}-{breakpoint}-{size}

- {property} – m (for margin) and p (for padding)

- {sides} – t (top), b (bottom), l (left), r (right), x (both left and right), y (both top and bottom), blank (all sides)

- {Breakpoint} – sm, md, lg and xl

- {size} – 0 ~ 5 or auto

Bootstrap
(Margin and padding - size)

Size code	Units	Padding or Margin (assuming font size 16 px)
0	0	Set padding / margin to zero
1	.25 rem	Set padding / margin to 4px
2	.5 rem	Set padding / margin to 8px
3	1 rem	Set padding / margin to 16px
4	1.5 rem	Set padding / margin to 24px
5	3 rem	Set padding / margin to 48px
auto	-	Sets margin to auto

Bootstrap
(Margin classes)

Example	Description
m-0	Set margin to zero
m-2	Set margin to 8px on all sides
mr-1	Set margin on right side to 4px
ml-3	Set margin on left side to 16px
mt-4	Set margin on top side to 24px
mx-5	Set margin on left and right sides to 48px
my-2	Set margin on top and bottom sides to 8px

Bootstrap
(Margin classes - Centre Align)

- Set left and right margins to auto

- You can also use .mx-auto class

Example :
```
<div class="col-sm-6 ml-auto mr-auto"></div>
Or
<div class="col-sm-6 mx-auto"></div>
```

Bootstrap
(Padding classes)

Example	Description
p-0	Set padding to zero
p-2	Set padding to 8px on all sides
pr-1	Set padding on right side to 4px
pl-3	Set padding on left side to 16px
pt-4	Set padding on top side to 24px
px-5	Set padding on left and right sides to 48px
py-2	Set padding on top and bottom sides to 8px

Bootstrap
(Grid – Offsetting classes)

- .offset-{ sm | md | lg | xl }-{number} classes

  - These classes increase the left margin of a column by {number} columns

Example:

/ move column by four columns */*

<div class="col-md-4 offset-md-4" >

Bootstrap
(Vertical Align)

Class	Description
.align-baseline	Align the element to baseline of text
.align-top	Align the element to top
.align-middle	Align the element to middle
.align-bottom	Align the element to bottom
.align-text-top	Align the text to top
.align-text-bottom	Align the text to bottom

*These classes only works on inline, inline-block, inline-table and table cell elements

Bootstrap
(Vertical Align)

Text pack

top
middle
baseline
bottom

Bootstrap
(Vertical Align)

Bootstrap
(Vertical Align)

Bootstrap
(Display classes)

- .d-{value} for xs

- .d-{breakpoint}-{value} for sm, md, lg, and xl

- {value} – none, inline, inline-block, block, table, table-cell, table-row, flex and inline-flex

- The media queries effect screen widths with the given breakpoint or larger

- For example: .d-lg-none sets display: none; on both lg and xl screens

Bootstrap
(Display classes – Hiding Elements)

- Use .d-none, .d-breakpoint}-none classes to hide the elements

Screen	Class
Hidden on all	.d-none
Hidden only on xs	.d-none .d-sm-block
Hidden only on sm	.d-sm-none .d-md-block
Hidden only on md	.d-md-none .d-lg-block

Bootstrap
(Display classes – Displaying Elements)

Screen	Class
Visible on all	.d-block
Visible only on xs	.d-block .d-sm-none
Visible only on sm	.d-none .d-sm-block .d-md-none
Visible only on md	.d-none .d-md-block .d-lg-none

Bootstrap
(Display classes – Flex)

Class	Description
.d-flex	Declare flexbox
.d-inline-flex	Declare inline flexbox
.d-sm-flex	Flexbox on small devices and above
.d-sm-inline-flex	Declare inline flexbox on small devices and above
.d-md-flex	Declare flexbox on medium devices and above
.d-md-inline-flex	Declare inline flexbox on medium devices and above

Bootstrap
(Display classes – Direction)

- .flex-{ row | column }

- .flex-{breakpoint}-{ row | column }

- .flex-{breakpoint}-{ row | column }-reverse

Bootstrap
(Display classes – Direction)

Class	Description
.flex-row	Direction row on all devices (Default)
.flex-column	Direction column on all devices
.flex-sm-column	Direction column on small and above devices
.flex-md-row-reverse	Direction row reverse on medium and above devices

Bootstrap
(Display classes – Wrap)

- Change how flex items wrap in a flex container

  - .flex-{ wrap | nowrap }

  - .flex-wrap-reverse

  - .flex-{ breakpoint }-{ wrap | nowrap }

  - .flex-{ breakpoint }-wrap-reverse

Bootstrap
(Display classes – Wrap)

Class	Description
.flex-nowrap	Default
.flex-wrap	Flex items shall wrap
.flex-sm-wrap	Flex items shall wrap on small and above devices
.flex-sm-wrap-reverse	Flex items shall wrap reverse on medium and above devices

Bootstrap
(Border)

Class	Description
.border	Base class to set border on all sides
.border-top-0	No border on top side
.border-right-0	No border on right side
.border-bottom-0	No border on bottom side
.border-left-0	No border on left side
.border-0	No border of all sides

Bootstrap
(Border color)

Class	Description
.border-{color}	primary	secondary	warning	danger	success	info	light	dark	white

Bootstrap
(Border color)

Name	Hex code	Color
primary	#007bff	Blue
secondary	#6c757d	Dark gray
warning	#ffc107	Vivid yellow
danger	#dc3545	Bright red
success	#28a745	Dark lime green
info	#17a2b8	Strong cyan
light	#f8f9fa	Light grey
dark	#343a40	Very dark grey
white	#fff	white

Bootstrap
(Border Radius)

Class	Description
.rounded	All rounded corners
.rounded-top	Top rounded corners
.rounded-right	Right rounded corners
.rounded-bottom	Bottom rounded corners
.rounded-left	Left rounded corners
.rounded-circle	Make a circle
.rounded-0	No rounded corner

Bootstrap
(Responsive Float)

- .float-{ sm | md | lg | xl }-{ right | left }

- .float-left – To float left

- .float-right – To float right

- .float-none – No float

- Clear floats with the .clearfix class

Bootstrap
(Responsive Float)

- Example :

  - float-sm-right : float right on screens >= 576px

  - float-lg-left : float left on screens >= 992px

  - float-md-right : float right on screens >= 768px

  - float-xl-left : float left on screens >= 1200px

Thank you

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