

Learn Bootstrap 4 Flex

1) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

2) Offsetting Columns



3) Grid System



4) .col-mx-12, .col-xl-12, .col-sm-12, .col-md-12

5) Multiple Rows

To cancel it,
+ col-lg--offset-0

• row

6) Nesting Columns

• row > .col-xl-6 > .row > .col-xl-6 > spanning 3.

↳ row > col-xl-4 > 3 x $\frac{4}{12} = 1$

↳ only apply to xl screen

7) Ordering Columns

• + col-sm-push-6 > push 6, 1 to the right.

col-sm-pull-4

↳ affect larger, x smaller. larger
↳ to eliminate the offset, col-md-push-0

col-md-pull-0

8) Varying Grid Sizes



• col-mx-12, .col-xl-12, .col-sm-12, .col-md-12

6 x $\frac{6}{12} = 3$

12) Intro to media objects

col-21-12
 ↳ .media
 ↳ a.media-left ← 64x64
 ↳ img.media-object
 ↳ .media-body
 ↳ h4.media-heading
 ↳ Awesome title

↳ h4
 ↳ media-heading
 ↳ media-body

14) Nesting media object

.media
 ↳ .media-body
 ↳ .media
 ↳ .media-left
 ↳ .media-body
 ↳ .media
 ↳ .media

15) Media Object Alignment

.media
 ↳ a.media-left
 ↳ .media-body
 ↳ .align-self - start/center/end
 ↳ ^{top} + media-middle
 ↳ bottom

16) Buttons

- btn
- btn-primary, secondary, warning, link, danger, success

22) Input Groups

- input-group
 - ↳ `cpn input-group-addon #Addom!`
 - ↳ `<input form-control aria-describedby="Addom!"`

24) Jumbotron → a responsive div container, grey & border-radius

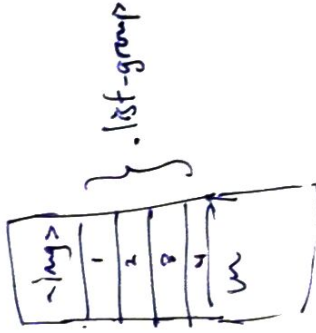
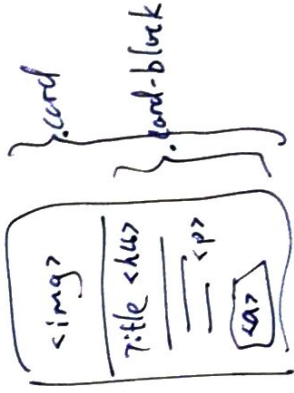
- jumbotron
 - ↳ `h1.display-3`
 - ↳ `p.lead`
 - ↳ `hr.my-md`
 - ↳ `p.lead`
 - ↳ `a.btn.btn-primary.btn-lg`

26) label

~~label~~ .label - default, primary, success, danger, info, warning
 .label-pill

29) Cards : flexible & extensible content container

- .card \rightarrow style="max-width: 319px" *
- ↳ .card-ing-top
- ↳ .card-block
 - ↳ h4 .card-title *
 - ↳ p .card-text \rightarrow * random word generator online
 - ↳ a .btn btn-success



- ↳ ul .list-group list-group-flush
- ↳ li .list-group-item x4

32) Text Card Alignment

.text-center right

33) Card Header & Footer

.card-header

.card-footer

.text-muted

(eg. copyright)

~~.card-title~~



34) Card Image Caps 

• card-img-top . top . bottom



40) Card Columns

• card-columns

↳ card * n


↳ max-width: 379px



35) Card image Overlay

• card-img-overlay 

36) Inverting Cards

• card card-inverse  background-color: black; color: white; text

37) Card background Variant

• card . card-primary . primary; success, info, warning, danger

38) Card Groups

• card-group



↳ . card

↳ . card

↳ . card

39) Card Decks : Cards that with equal width & height

• Card-deck-wrapper



↳ Card-deck

↳ . card x 3

42) Base Nav

ul > nav

- li .nav-item } x n
- a .nav-link



• disabled →

43) Nav Tab & Pills

ul .nav .nav-tabs



- li .nav-item } x n
- a .nav-link .active

ul .nav .nav-pills



ul .nav .nav-stacked



44) Nav Dropdowns

li .nav-item .dropdown

a .nav-link .dropdown-toggle & data-toggle="dropdown"

ul .dropdown-menu

a .dropdown-item x 3

ul .dropdown-divider

a .dropdown-item



45) Nav Tab Panes

.tab-content

ul .role="tabpanel" .tab-pane

data-toggle="tab"

href="#" < id of .tabpanel >

fade

id="1" >

46) NavBar

nav .navbar .navbar-light .bg-faded

a .navbar-brand > company logo </

ul .nav .navbar-nav

li .nav-item active

a .nav-link > Home < span .sr-only > (current </ </

form .form-inline .navbar-form .pull-right

input .form-control type="text" placeholder="..."

button .btn .btn-success .outline type="submit"

img alt="logo" data-bbox="564 434 609 464"/> Home Feature About Contact Us



52) Breadcrumbs: Navigational hierarchy

ul.breadcrumbs
 a > Home
 a > Library
 active
 <a> Page I am On

Home / Library / Page I am On

53) Pagination

nav
 pagination
 a aria-label="Previous"
 «
 Previous
 a aria-label="Next"
 »
 Next

<< 1 2 3 4 5 6 7 8 9 10 >>

li.active

size: pagination - > 19, sm

54) Pager

nav
 pager
 a > Previous
 a > Next

nav
 pager
 pager-prev
 pager-next

.disabled

55) Progress

progress .progress value="0" max="100" > 0%

progress .progress value="25" max="100" > 25%

div: .progress - > success, info, warning, danger
 .progress-striped

56) List Groups

- ul . list-group
 - li . list-group-item x 4



- li . list-group-item
 - span . label . label-default . label-pill . pull-right



57) Advanced List Groups

58) Modals

button type="button" . btn . btn-primary data-toggle="modal" data-target="#ModalName" aria-hidden="true"

↳ Open Modal

. modal . fade id="ModalName" tabindex="-1" role="dialog" aria-labelledby="ModalNameLabel" aria-hidden="true"

↳ . modal-dialog role="document" → . modal → lg, sm

↳ . modal-content

↳ . modal-header

↳ button . close data-dismiss="modal" aria-label="Close"

↳ span aria-hidden="true" & times;

↳ Close

↳ h4 . modal-title id="ModalNameLabel" > Modal title

↳ . modal-body > ...

↳ . modal-footer

↳ button type="button" . btn . btn-secondary data-dismiss="modal" > Close modal </



59) tooltips ... : Provide contextual info

```
<script src = "jquery.js" > </script>
```

```
<script>
```

```
$(function()
```

```
{ $( "[data-toggle='tooltip']" ).tooltip();
```

```
});
```

```
</script>
```

```
<button type="button" .btn .btn-primary data-toggle="tooltip" title="Top Tooltip" >
```

↳ Hover for top

Top Tooltip

Hover for Top

bottom,
left,
right
* Bottom
left
Right *

60) Popovers

```
<script src = "jquery.js" > </script>
```

```
<script>
```

```
$(function()
```

```
{ $( "[data-toggle='popover']" ).popover();
```

```
<button type="button" .btn .btn-secondary data-container="body" data-toggle="popover" data-placement="top" >
```

data-content="Top"

↳ Top popover

\$(".popover-dismiss").popover({
trigger: "focus"

↳ click outside to disappear pop up.

data
content

Top popover

click

Top popover

click again
→ to close

data-trigger="focus"

data-placement="top"

bottom
left
right

61) Collapse

button . btn . btn-primary type="button" data-toggle="collapse" data-target="#collapse2D" aria-expanded="false" aria-controls="collapseID"

↳ Click me please

.collapse id="collapseID"

↳ W

(Click me please)

↓ ↑

W

62) Accordion Collapse

#accordion role="tablist" aria-multiselectable="true"

↳ .panel .panel-default

↳ .panel-heading role="tab" id="HeadingOne"

↳ h4 .panel-title → .collapsed

↳ a data-toggle="collapse" data-parent="#accordion" href="#collapseOne" aria-expanded="true" aria-controls="collapseOne" → Two

↳ collapsible Group Item 1

↳ #collapseOne .panel-collapse, collapse.in role="tabpanel" aria-labelledby="HeadingOne" → Two

↳ W

Collapsible Group Item 1

click ↓

W

2

click ↓

(other close)

W

63) Carousel: Image Slider

carousel-example-generic, carousel.slide data-ride="carousel"

↳ ol.carousel-indicators

↳ li data-target="#carousel-example-generic" data-slide-to="0" active 3 x 3
 ↳ 1
 ↳ 2

↳ .carousel-inner role="listbox"

↳ .carousel-item.active

↳ img src="..." x n

↳ .carousel-caption > h2 > title / p > on gear

↳ a.left.carousel-control href="#" role="button" data-slide="prev"

↳ span.icon-prev aria-hidden="true"

↳ span.sr-only > Previous

↳ Next

