

Learn Bootstrap 4 FWD

1) Copy & paste starter template. → setup.

2) Grid System

5) .container

↳ .row

↳ col-xs-4

↳ Hello world

red
grey
blue

.grey {
color: white;
background-color: grey;
}

red, green, blue.

6) .col-xs-12, col-md-1, red x 3

↳ take up 12 col
at xs size

↳ take up 1 col
at md size

+ .col-md-1-2

+ .col-lg-3

+ .col-md-4

+ .col-sm-6

+ .col-xs-12



7) Varying Grid Sizes



col-md-4 col-lg-3

col-md-

col-md-8

col-lg-9

col-md-

8) Offsetting Columns



+ col-md-offset-4 (leave 4 spaces)



- 2 (leave 2 spaces)



+ col-md-offset-4

↳ apply on bigger size, but not smaller size.

To cancel it,

+ col-lg-offset-0

9) Multiple Rows

.row

10) Nesting Columns

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

↳ rows > col-xl-4 → $3 \times \frac{6}{2} = 1$

↳ col-xl-4 → $3 \times \frac{4}{2} = 1$

↳ only apply to xl screen

11) Ordering Columns

↳ + col-sm-push-6 → push 6 col to the right.

col-sm-pull-4

↳ affect longer, x smaller.

↳ to eliminate the effect, col-md-push-0

col-md-pull-0

16) Buttons

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

22) Input Groups

- input-group
 - ↳ `span input-group-addon #Addon!`
 - ↳ `<input form-control aria-describedby="Addon!"`

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

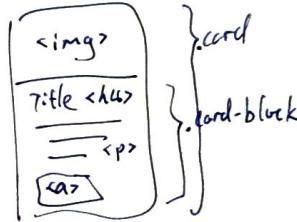
- jumbotron
 - ↳ `h1, display-3`
 - ↳ `p, lead`
 - ↳ `hr, m-y-md`
 - ↳ `p`
 - ↳ `p, lead`
 - ↳ `a, btn, btn-primary, btn-lg`

26) Label

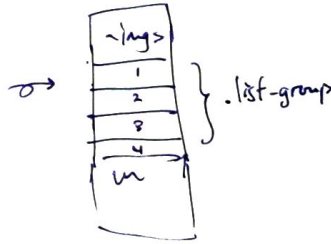
~~the~~ .label .label - _____ \rightarrow default, primary, success, danger, info, warning
 .label-pill

29) Cards : flexible & extensible content container

- card \rightarrow style="max-width: 319px" *
- ↳ img .card-img-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 *



32) Text Card Alignment

.text-center right

33) Card Header & Footer

• card-header




~~card-title~~


• card-footer




• text-muted

(eg. copyright)

34) Card Image Caps 

.card-img-__ top . bottom


35) Card Image Overlay

.card-img-overlay 



36) Inverting Cards

.card card-inverse \rightarrow background-color: black;
 \rightarrow white text

37) Card background Variant

.card .card-__ primary; success, info, warning, danger
.card-inverse

38) Card Groups

.card-group \rightarrow  
└ .card
└ .card
└ .card

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

.card-deck-wrapper
└ .card-deck
└ .card x3



40) Card Columns

.card-columns

└ card * n

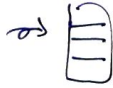
\rightarrow max-width: 319px



42) Base Nav

ul > nav

└ li.nav-item } x n
└ a.nav-link



* .disabled →

43) Nav Tab & Pills

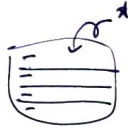
ul.nav.nav-tabs



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

ul.nav.nav-pills *

ul.nav-pills.nav.nav-stacked



44) Nav Dropdowns

li.nav-item.dropdown

└ a.nav-link.dropdown-toggle * data-toggle="dropdown" role="button" aria-expanded="false" >

└ .dropdown-menu

└ a.dropdown-item x 3

└ .dropdown-divider

└ a.dropdown-item



45) Nav Tab Panes

.tab-content

└ role="tabpanel" .tab-pane

data-toggle="tab"

href="#< id of .tabpanel >"

fade

id="1" >

47) NavBar

nav.navbar.navbar-light.bg-faded

└ a.navbar-brand > Company Logo </

└ ul.nav.navbar-nav

x { li.nav-item active → only 1
└ a.nav-link > Home sr-only (current </ >

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

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

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

Logo Home Feature All Contact Us Search

48) Navbar Color Schemes

- navbar - `light`, `dark`
 - ↓
 - `bg-inverse` (dark)
 - `bg-primary` (blue)


49) Navbar Placement

- navbar - `fixed-top`
↓
`bottom`

50) Navbar Collapsible Content

- `collapse id="Nav1"` ←
- * `nav.navbar.navbar-light.bg-faded`
 - ↳ `button.navbar-toggle type="button" data-toggle="collapse" data-target="#Nav1"`
- Ex: `<#9776>` → `≡`
`≡` ←

51) Responsive Navbar

- `nav.navbar.navbar-un`
 - ↳ `collapse.navbar-togglerable-xs id="CollapseNavbar"` ← screen size
 - ↳ `button.navbar-toggler.hidden-sm-up type="button" data-toggle="collapse" data-target="#CollapseNavbar"`
- Ex: `<#9776>` 

* `justify-content-center`: Align items in the center

* Best use of navbar → header navigation

52) Breadcrumb : Navigational hierarchy

ul.breadcrumb

↳ li > a > Home

↳ li > <a> Library

↳ li.active

↳ <a> Page I am On

6)

Home / Library / Page I am On

53) Pagination

nav

↳ ul.pagination

↳ li > a aria-label="Previous"

↳ span aria-hidden="true" > «

↳ span.sr-only > Previous

↳ li > a aria-label="Next"

↳ span aria-hidden="true" > »

↳ span > Next

6)

« | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 »

li.active

4) size : .pagination - 10, sm

54) Pager

nav

↳ ul.pager

↳ li

↳ a > Previous

↳ li

↳ a > Next

→

Previous

Next

nav

↳ ul.pager

↳ li.pager-prev

↳ li.pager-next

→

Previous

Next

.disabled

.active

→ li > a { } * 10

55) Progress

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

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

color : .progress - success, info, warning, danger
.progress-striped

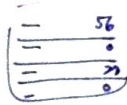
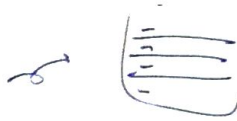
56) List Groups

ul .list-group

li .list-group-item x 4

li .list-group-item

span .label .label-default .label-pill .pull-right:se



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"

↳ × ;

↳ Close

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

↳ .modal-body > ...

↳ .modal-footer

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



59) footips ... : Provide contextual info

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

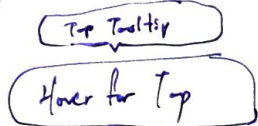
```
<script>
  $(function()
  {
    $('[data-toggle="tooltip"]').tooltip();
  });
```

```
</script>
```

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

↳ Hover for Top

↳



★
="tooltip"

★

bottom,
left,
right
★

/* Bottom
left
Right */

60) Popovers

```
<script src="tether.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" >
```

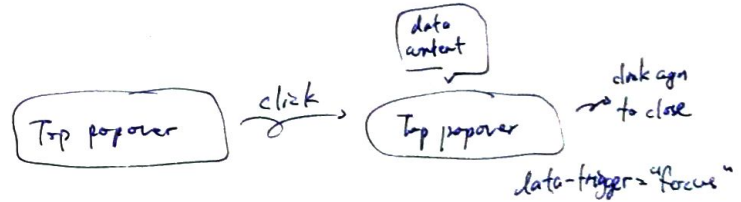
data-content="Top"

bottom, left, right

↳ Top popover

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

↳ click outside to disappear pop up.



data-trigger="focus"

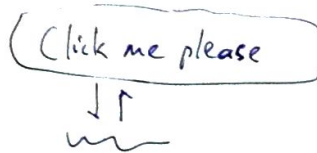
dark again to close

bottom
left
right

61) Collapse

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

↳ Click me please
 .collapse id="collapseID"
 ↳ me



62) Accordion Collapse

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

↳ .panel .panel-default

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

↳ h4 .panel-title → .collapsed

↳ data-toggle="collapse" data-parent="#Accordion" href="#collapseOne" aria-expanded="true" aria-controls="collapseOne"

aria-controls="collapseOne" → Two

↳ Collapsible Group Item 1

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

↳ me

Collapsible Group Item 1
 click

click
 (others close)

2

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 } x 3
```

0
 1
 2

↓
 ==

```
  < .carousel-inner role="listbox"
```

```
    < .carousel-item .active
```

```
      <img src="" } x n
```

```
      <img src="" } x n
```

```
  <a .left .carousel-control href="#" role="button" data-slide="prev" → next
```

```
    <span .icon-prev aria-hidden="true"
```

```
    <span .sr-only >Previous.
```

```
      &#10;
      Next
```

