

TWITTER

BOOTSTRAP

Designed for everyone, everywhere.

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BOOTSTRAP

AGENDA

1	WHAT IS BOOTSTRAP
2	WHY BOOTSTRAP
3	MOBILE FIRST
4	RESPONSIVE DESIGN
5	CODE STRUCTURE

JS



HTML

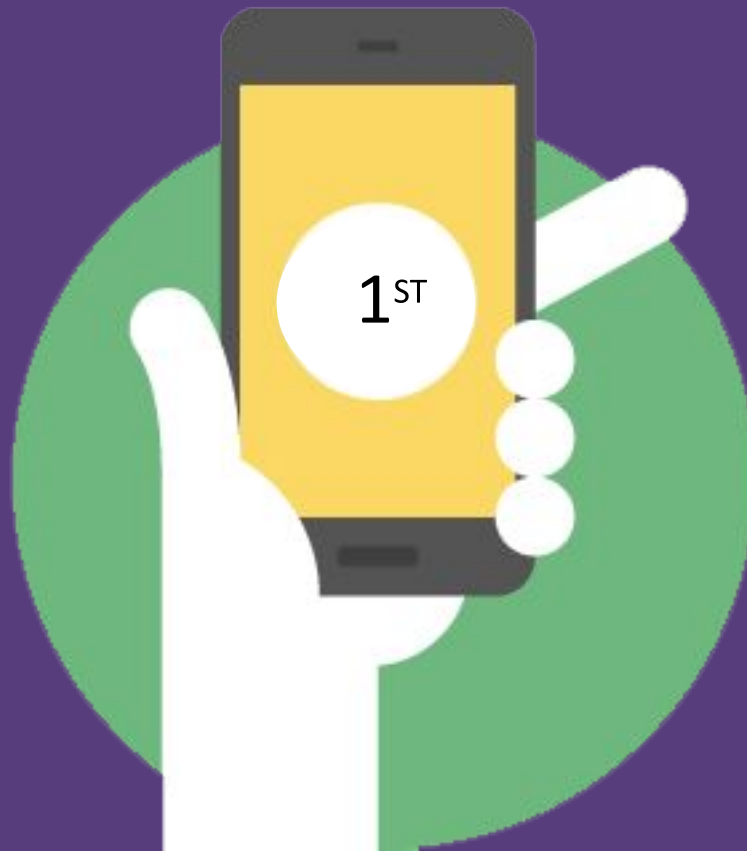


CSS



MOBILE FIRST

Content is like water



CONTENT IS LIKE WATER



“ You put water into a cup it becomes **the cup**.
You put water into a bottle it becomes **the bottle**.
You put it in a teapot, it becomes **the teapot**. “

```
<meta name="viewport"  
content="width=device-width, initial-scale=1">
```

MOBILE FIRST



```
<meta name="viewport"  
content="width=device-width, initial-scale=1,  
maximum-scale=1, user-scalable=no">
```

DISABLE

ZOOM



SCAFFOLDING

Grid System
12 Columns

COMPONENTS

Over a dozen
reusable components

Base CSS

Fundamental HTML
Elements Styled And
Enhanced

JAVASCRIPT

Bring Bootstrap's
Components To Life



▼ Bootstrap Structure

▼ css

bootstrap-theme.css

bootstrap-theme.min.css

 bootstrap.css

| **bootstrap.min.css**

▼ fonts

 glyphicon-halflings-regular.eot

 glyphicon-halflings-regular.svg



 glyphicon-halflings-regular.woff

 glyphicon-halflings-regular.woff2

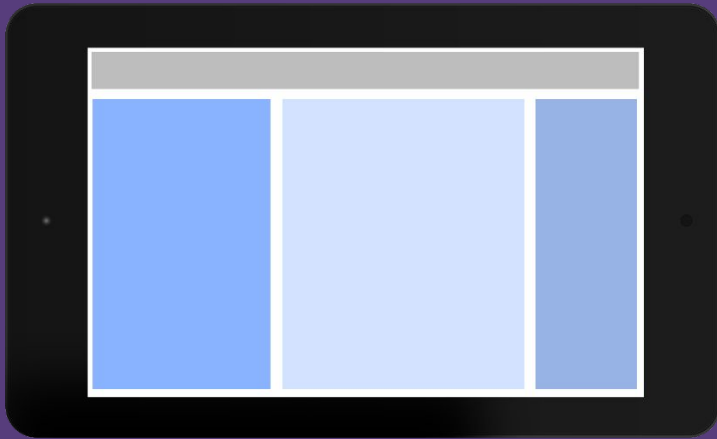
▼ js

 bootstrap.js

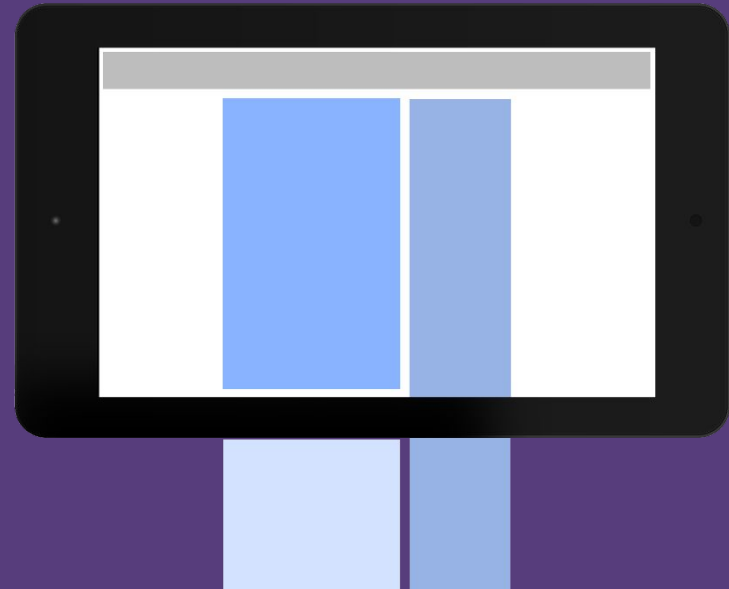
| **bootstrap.min.js**



FLUID WEB DESIGN (.container-fluid)



CONTAINER WEB DESIGN (.container)



FLUID CONTAINER VS CONTAINER

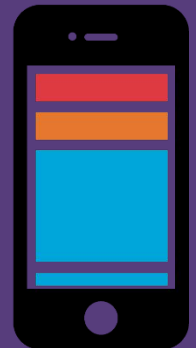
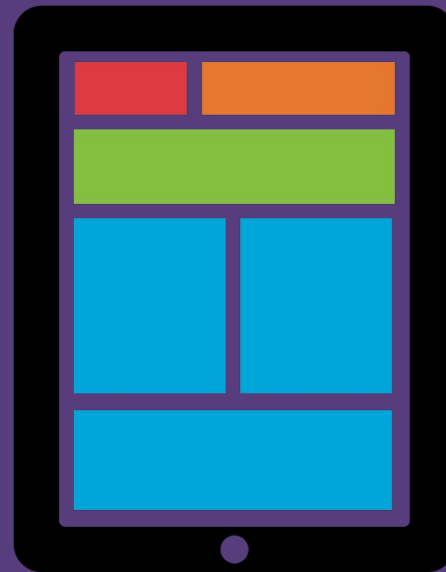


SETUP & WORKSHOP

- CREATE "INDEX.HTML"
- INCLUDE "BOOTSTRAP"
- INCLUDE "JQUERY"
- CREATE BUTTON WITH BOOTSTRAP

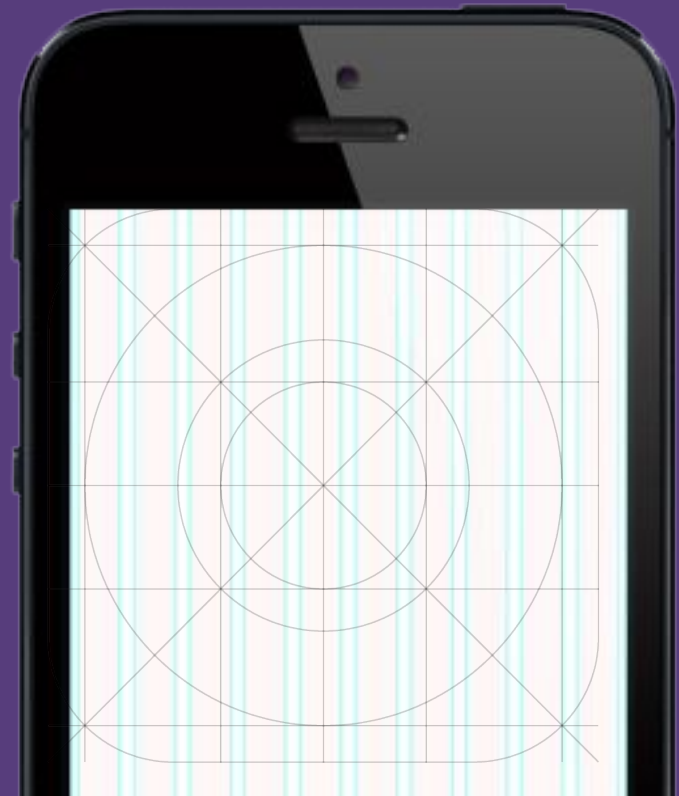
RESPONSIVE DESIGN

- FLUID GRID
- MEDIA QUERY
- FLEXIBLE IMAGE

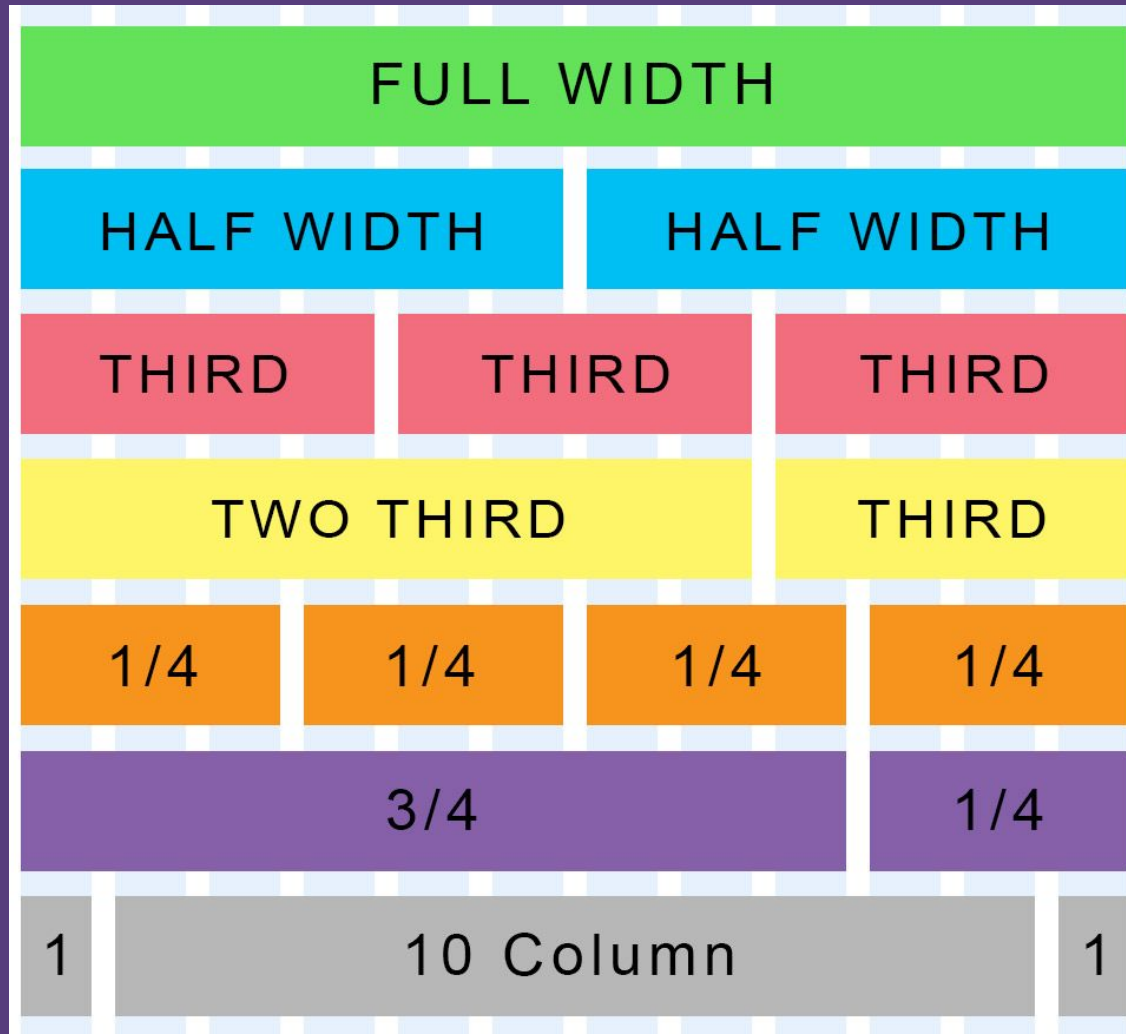


GRID SYSTEM

Mobile first fluid grid system that appropriately scales up to 12 columns as the device or viewport size increases



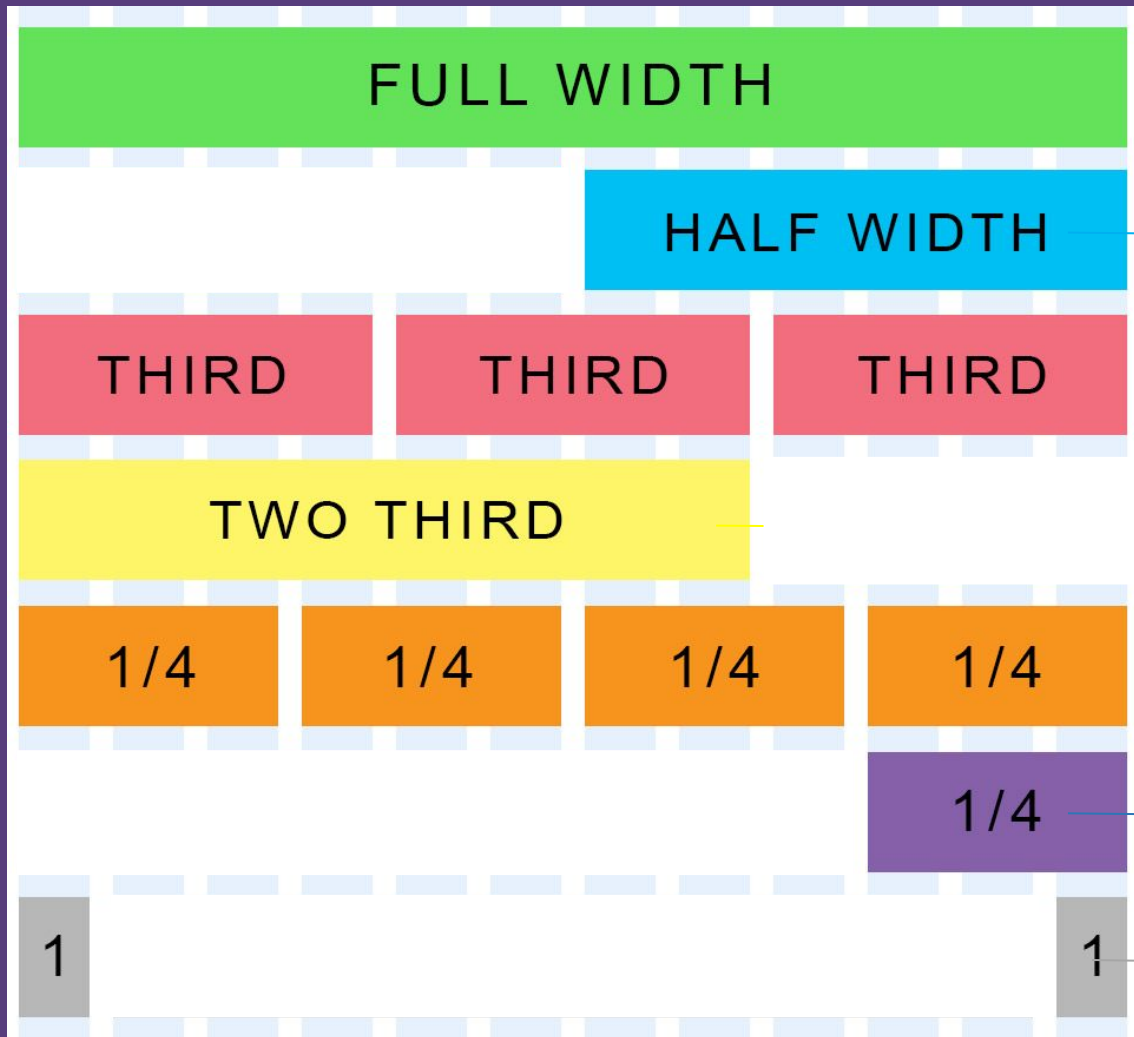
← 12 columns →



FLUID
GRID
SYSTEM

← 12 columns →

COLUMN OFFSET



.col-sm-offset-6
.col-sm-6

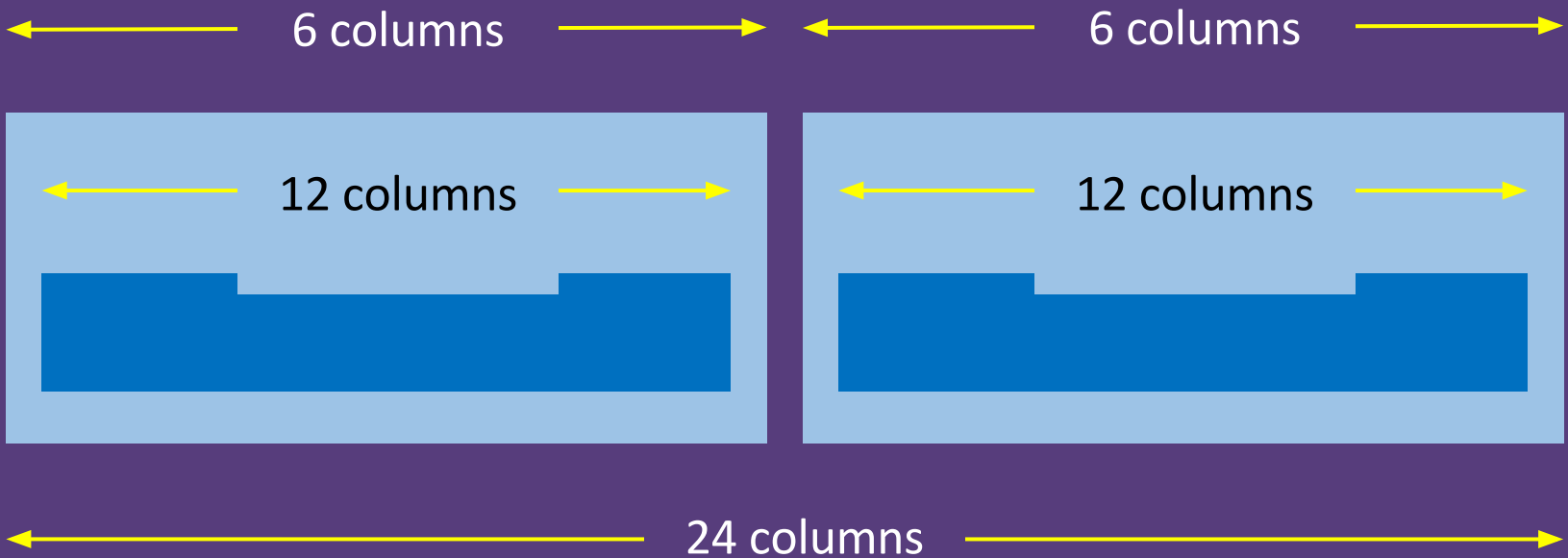
.col-sm-8

.col-sm-offset-9
.col-sm-3

.colsm-offset-10
.col-sm-1

NESTING COLUMNS

Nested rows should include a set of columns
that add up to 12 or fewer
(it is not required that you use all 12 available columns)



AVAILABLE CLASSES

Use a single or combination of the available classes for toggling content across viewport breakpoints.



AVAILABLE CLASSES



	Extra small devices Phones (<768px)	Small devices Tablets (≥768px)	Medium devices Desktops (≥992px)	Large devices Desktops (≥1200px)
.visible-xs-*	Visible	Hidden	Hidden	Hidden
.visible-sm-*	Hidden	Visible	Hidden	Hidden
.visible-md-*	Hidden	Hidden	Visible	Hidden
.visible-lg-*	Hidden	Hidden	Hidden	Visible
.hidden-xs	Hidden	Visible	Visible	Visible
.hidden-sm	Visible	Hidden	Visible	Visible
.hidden-md	Visible	Visible	Hidden	Visible
.hidden-lg	Visible	Visible	Visible	Hidden

MEDIA QUERY FLEXIBLE IMAGE

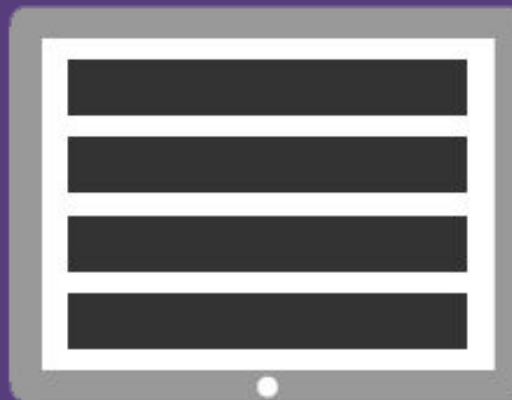
use the following media queries in our Less files
to create the key breakpoints in our grid system





Huh ?

What is “media query” ?





Extra small devices

(phones, less than 768px)

No media query since this is the default in Bootstrap



Small devices

(tablets, 768px and up)

@media (min-width: @screen-sm-min) { ... }



Medium devices

(desktops, 992px and up)

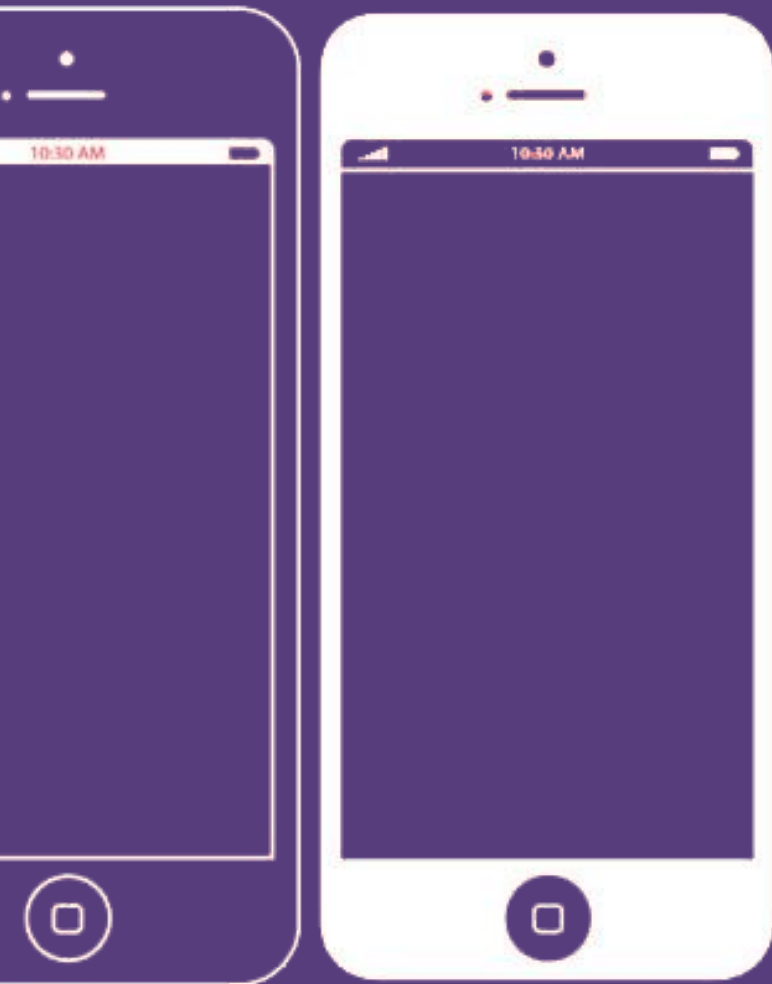
@media (min-width: @screen-md-min) { ... }



Large devices

(large desktops, 1200px and up)

@media (min-width: @screen-lg-min) { ... }



CODE STRUCTURE

- CONTAINER
- ROW
- COLUMN
- OTHER ELEMENT



DESIGN &WORKSHOP

- DESIGN YOUR WEBSITE
- CREATE IT WITH BOOTSTRAP
- SHOW TO YOUR FRIEND

QUESTION ?

SEE YOU AGAIN ON NEXT CLASS

