

# Bootstrap

- Setup
  - Online
    - CDN
  - Offline
    - CSS & JS files
  - direct
    - source (Sass, JS , and documentation files)
  - Package managers
    - npm, bower, composer, ruby gems, nugget, ..

# Bootstrap

## - Setup

<https://getbootstrap.com/docs/4.3/getting-started/download/>

## Download

Download Bootstrap to get the compiled CSS and JavaScript, source code, or include it with your favorite package managers like npm, RubyGems, and more.

## Compiled CSS and JS

Download ready-to-use compiled code for **Bootstrap v4.3.1** to easily drop into your project, which includes:

- Compiled and minified CSS bundles (see [CSS files comparison](#))
- Compiled and minified JavaScript plugins

This doesn't include documentation, source files, or any optional JavaScript dependencies (jQuery and Popper.js).

[Download](#)

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# Bootstrap

- Setup

<https://getbootstrap.com/docs/4.3/getting-started/download/>

- what u get ?

- CSS

- regular css

- grid

- reboot

- minified css

- grid

- reboot

- map files

- useful in development mode

- grid css

- reboot css

- JS

- map files

- useful in development mode

- regular

- minified

- bundle

- regular + popper.js

**(bootstrap.min.js)**

**(bootstrap.min.css)**

# Bootstrap

## - Setup

<https://getbootstrap.com/docs/4.3/getting-started/introduction/>

## Starter template

Be sure to have your pages set up with the latest design and development standards. That means using an HTML5 doctype and including a viewport meta tag for proper responsive behaviors. Put it all together and your pages should look like this:

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min

  <title>Hello, world!</title>
</head>
<body>
  <h1>Hello, world!</h1>

  <!-- Optional JavaScript -->
  <!-- jQuery first, then Popper.js, then Bootstrap JS -->
  <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+965Dz00rT7
  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js" integrity
  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js" integrity="s
</body>
</html>
```

Copy

# Bootstrap

- Grid Layout
  - used to create any kind of layout
  - Responsive containers fixed width which snaps to breakpoints
  - Fluid Containers
  - contents in rows and columns
  - 12 column grid breakpoints
    - Extra small
    - Small
    - Medium
    - Large
    - Extra large
  - uses Flexbox technology

# Bootstrap

- Grid Layout

- Components

- Containers

- container

- centres content and snaps to grid points

- 15px padding

- breakpoint adjustments

- <576px    992px

- 576px    1200px

- 768px

- container-fluid

- 100 % width of the viewport

- 15px padding

- Rows/Columns

# Bootstrap

- Typography
  - Reboot.css
  - avoids 'margin-top'
  - uses 'inherit' property whenever possible
  - element width calculation with 'border-box'
  - uses native fonts

# Bootstrap

## - Typography

### - display styles

class="h1" //thru h6

class="display-1" //thru display-4, bigger than headlines

class="lead" //say a bigger para

### - alignment

text - justify

//can be combined

text - nowrap

text - (mqb) - pos

mqb: sm

md

lg

xl

>567px

>768px

>992

>1200

pos:

left

right

center



# Bootstrap

- Typography

- capitalization

- text-uppercase

- text-lowercase

- text-capitalize

- text styles

- font-weight-bold

- font-weight-normal

- font-italic

# Bootstrap

## - Tables

‘table’ class on table tag

‘table-dark’

separate (optionally) inversed table with black background and light text

‘table-striped’

‘table-bordered’

‘table-hover’

‘thead-light’

‘thead-dark’

# Bootstrap

## - Tables

‘table-COLOR’ //TRs & TDs

active primary secondary success danger warning info light dark

‘bg-COLOR’ //TRs & TDs

primary success danger warning info

‘text-COLOR’ //for text

primary secondary success danger warning info light dark

‘table-sm’

‘table-responsive(-BP)’

BP: sm md lg xl

# Bootstrap

## - Forms

### ‘form-group’

can be used with any block elements

adds space to the element's bottom

group is set to ‘display-block’

### ‘form-text’

for form text elements like paras and linked to input fields

### ‘form-control’

for text input fields like inputs, text-areas, selects ..

### ‘form-control-label’

for linking form controls to labels

### ‘form-control-file’

for file inputs

# Bootstrap

## - Colors

‘text-COLOR’ //also for links

primary secondary success danger warning info light dark white

‘bg-COLOR’

primary secondary success danger warning info light dark white