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Programação Web Responsiva

Bootstrap





Bootstrap é um framework web com código-fonte aberto para desenvolvimento de componentes de interface e front-end para sites e aplicações web usando HTML, CSS e JavaScript, baseado em modelos de design para a tipografia, melhorando a experiência do usuário em um site amigável e responsivo



O framework já se encontra na versão 5

Vá até o site oficial:

https://getbootstrap.com/

E baixe a ultima versão

Quickly design and customize responsive mobile-first sites with Bootstrap, the world's most popular front-end open source toolkit, featuring Sass variables and mixins, responsive grid system, extensive prebuilt components, and powerful JavaScript plugins.



Currently v5.0.1 · v4.6.x docs · All releases



O framework já se encontra na versão 5

Vá até o site oficial:

https://getbootstrap.com/

E baixe a ultima versão

Compiled CSS and JS

Download ready-to-use compiled code for **Bootstrap v5.0.1** to easily drop into your project, which includes:

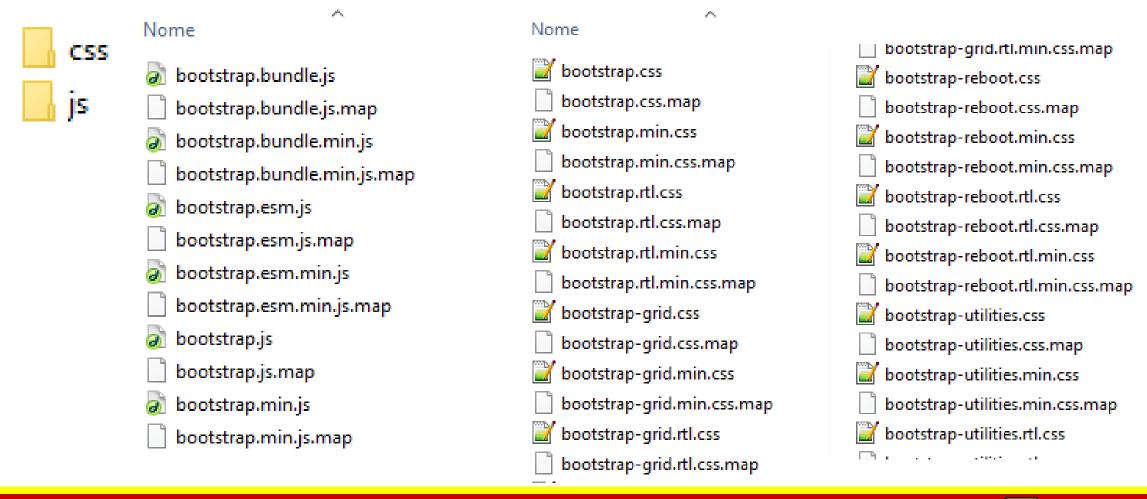
- Compiled and minified CSS bundles (see <u>CSS files comparison</u>)
- Compiled and minified JavaScript plugins (see <u>JS files comparison</u>)

This doesn't include documentation, source files, or any optional JavaScript dependencies like Popper.

Download

Versões diferentes no site. O que temos de mudanças?

Os arquivos do bootstrap são css e javascripts prontos para uso





Então o que cabe a nós e criar o html. Podemos usar o Starter template na pagina de introdução do site bootstrap ou criar um index novo onde iremos apontar para o bootstrap

below. If you're at all unsure about the general page structure, kee

► Show components requiring JavaScript

Starter template

Be sure to have your pages set up with the latest design and devel HTML5 doctype and including a viewport meta tag for proper resp your pages should look like this:

✓ Getting started
Introduction

Download
Contents
Browsers & devices
JavaScript
Build tools
Webpack

Parcel

Accessibility

RFS

RTL

Customize

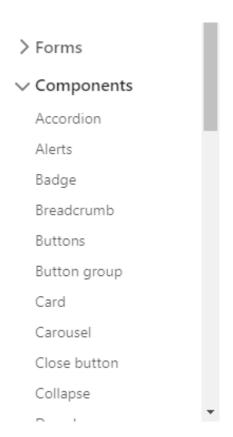
\ Layout



- > Getting started
- > Customize
- > Layout
- > Content
- > Forms
- > Components
- > Helpers
- > Utilities
- > Extend
- About

Após esta configuração inicial devemos ter em mente o que queremos que esteja em nosso site. Visto isso, então iremos ao menu do site bootstrap procurar o código desejado.

Caso eu queira algo como um menu navbar, devo procurar em componentes/navbar.



```
Navbar Home Link Dropdown ▼ Disabled
                                               Search
                                                                     Search
<nav class="navbar navbar-expand-lg navbar-light bg-light">
 <div class="container-fluid">
   <a class="navbar-brand" href="#">Navbar</a>
                                                                              Copy
   <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-targe</pre>
     <span class="navbar-toggler-icon"></span>
   </button>
   <div class="collapse navbar-collapse" id="navbarSupportedContent">
     <a class="nav-link active" aria-current="page" href="#">Home</a>
```



Pra que serve?

Framework CSS

Várias classes definidas

Design Responsivo

Modularidade

Download



Bootstrap

Build responsive, mobile-first projects on the web with the world's most popular front-end component library.

Bootstrap is an open source toolkit for developing with HTML, CSS, and JS. Quickly prototype your ideas or build your entire app with our Sass variables and mixins, responsive grid system, extensive prebuilt components, and powerful plugins built on jQuery.

Get started

Download

Currently v4.4.1





Declaração





```
<!DOCTYPE html>
 2 P<html>
       <head>
           <link href="css/bootstrap.min.css" rel="stylesheet">
       </head>
 6
       <body>
 9
10
           <footer>
11
                <script src="js/jquery.js"></script>
                <script src="js/bootstrap.bundle.min.js"></script>
13
           </footer>
14
       </body>
15 </html>
```





Declarações sem fazer downloads

```
<!DOCTYPE html>
<head>
        <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"</pre>
        integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6qBiFeWPGFN9MuhOf23Q9Ifjh" crossorigin=
        "anonymous">
    </head>
    <body>
        <div class="container">
         <footer>
             <script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity=</pre>
             "sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n" crossoriqin="anonymous"
             ></script>
             <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js" integrity=</pre>
             "sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo" crossorigin="anonymous"
            ></script>
            <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js" integrity=</pre>
             "sha384-wfSDF2E50Y2D1uUdj003uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCEx130q8ifwB6" crossoriqin="anonymous"
            ></script>
         </footer>
    </body>
 </html>
```





```
<!DOCTYPE html>
   □<html>
        <head>
            <link href="css/bootstrap.min.css" rel="stylesheet">
        </head>
 6
        <body>
            <div class="container" style="background-color: blue;">
                ...
            </div>
 9
10
            <footer>
11
                <script src="http://ajax.googleapis.com/ajax/libs/je</pre>
12
                <script src="js/bootstrap.bundle.min.js"></script>
13
            </footer>
14
        </body>
    </html>
```





Altera com o tamanho da tela



```
<!DOCTYPE html>
   ⊟<html>
        <head>
            <link href="css/bootstrap.min.css" rel="stylesheet">
 4
 5
        </head>
 6
        <body>
            <div class="container-fluid" style="background-color: blue;">
 8
                >...
 9
            </div>
10
            <footer>
                <script src="http://ajax.googleapis.com/ajax/libs/jquery/:</pre>
11
12
                <script src="js/bootstrap.bundle.min.js"></script>
13
            </footer>
14
        </body>
    </html>
```





Ajuste automático

Responsividade



row 1111111111111111

12 col

Primeiro faz-se uma div-row depois quantas col-i quiser, desde que soma de i = 12

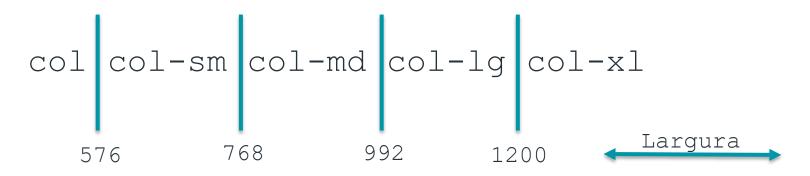










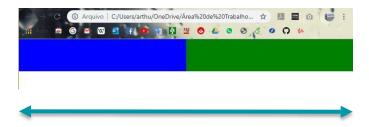
















É possível também:

Alinhas as colunas verticalmente ao centro

Alinhas horizontalmente se soma de i < 12

Ordenar as colunas

E mais

https://getbootstrap.com/docs/4.0/layout/grid/





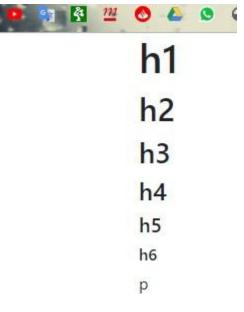
Faça uma divisão de colunas

4

Tipografia

```
<div class="container">
  <h1>h1</h1>
  <h2>h2</h2>
  <h3>h3</h3>
  <h4>h4</h4>
  <h5>h5</h5>
  <h6>h6</h6>
  p
</div>
<div class="container">
  h1
  h2
  h3
  h4
  h5
  h6
  p
</div>
```









Display 1



```
You can use the mark tag to <mark>highlight</mark> text.
<del>This line of text is meant to be treated as deleted text.
</del>
<ts>This line of text is meant to be treated as no longer accurate.
</s>
<ins>This line of text is meant to be treated as an addition to the document.</ins>
<u>This line of text will render as underlined</u>
<small>This line of text is meant to be treated as fine print.
</small>
<troor><strong>This line rendered as bold text.</strong>
<em>This line rendered as italicized text.</em>
```



```
mark
                         You can use the mark tag to highlight text.
del
                         This line of text is meant to be treated as deleted text.
S
                         This line of text is meant to be treated as no longer accurate.
ins
                         This line of text is meant to be treated as an addition to the document.
u
                        This line of text will render as underlined
small
                        This line of text is meant to be treated as fine print.
strong
                        This line rendered as bold text.
em
                          This line rendered as italicized text.
```



text-center

text-left

text-right

text-justify

https://getbootstrap.com/docs/4.0/content/typography/

Prática

4

Adicione o texto de curso/bootstrap/tipografia.html em uma de suas colunas

Cores



```
primary
       secondary
                                                  light
                        danger
                               warning
                                       info
                success
                                             dark
<button class="btn btn-primary">primary</button>
<button class="btn btn-secondary">secondary</button>
<button class="btn btn-success">success</button>
<button class="btn btn-danger">danger</button>
<button class="btn btn-warning">warning</button>
<button class="btn btn-info">info</button>
<button class="btn btn-dark">dark/button>
<button class="btn btn-light">light/button>
 bg-color, btn-color, text-color ...
```

https://getbootstrap.com/docs/4.0/utilities/colors/

Botões



```
Classe btn pode ser aplicada a algumas tags
```

primary secondary success danger warning info dark light

Botões



```
<button class="btn btn-info btn-lg">Info</button>
<button class="btn btn-info btn-sm">Info</button><br><button class="btn btn-info btn-lg btn-block">Info</button><br><button class="btn btn-info btn-sm btn-block">Info</br></br>
Info
Info
Info
Info
```

Botões



https://getbootstrap.com/docs/4.0/components/buttons/

Active/disbaled



A classe active é para efeito de estilo

A propriedade e a classe disabled de fato desabilitam

Imagens





https://getbootstrap.com/docs/4.4/content/images/

Bordas

4



img-thumbnail

```
border, border-0, border-top, border-right, border-right, border-bottom, border-bottom, border-left, border-left-0,
```

border-X border-color

Bordas









```
<img class="rounded" src="img/flores.jpg" width=75px>
<img class="rounded-circle" src="img/flores.jpg" width=75px>
<img class="rounded-pill" src="img/flores.jpg" width=75px>
<img class="rounded-pill" src="img/flores.jpg" width=75px>
```

```
rounded-top ...
rounded-0 ...
```

Evitar
Foi usado apenas
para o exemplo

https://getbootstrap.com/docs/4.4/utilities/borders/

Ícones



Baixar uma pasta com os ícones

https://useiconic.com/open/

Head

```
<link href="/open-iconic/font/css/open-iconic-bootstrap.css" rel="stylesh
eet">
```

Body

```
<span class="oi oi-icon-name" title="icon name" aria-hidden="true"></span
>
```

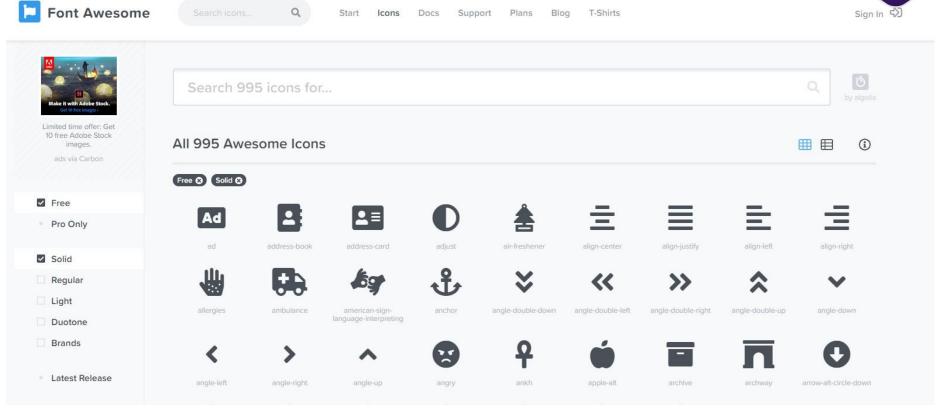
https://getbootstrap.com/docs/4.1/extend/icons/

Ícones

4

Exemplo com font awesome:





Ícones



Exemplo com font awesome:

São tratados como texto

https://fontawesome.com/icons?d=gallery&s=solid&m=free

Alertas



```
<div class="alert alert-primary" role="alert">
   This is a primary alert with <a href="#" class="alert-link">an example link</a>. Give it a click
   if you like.
</div>
                  This is a primary alert with an example link. Give it a click if you like.
                  This is a secondary alert with an example link. Give it a click if you like.
                  This is a success alert with an example link. Give it a click if you like.
                  This is a danger alert with an example link. Give it a click if you like.
                  This is a warning alert with an example link. Give it a click if you like.
                  This is a info alert with an example link. Give it a click if you like.
                  This is a light alert with an example link. Give it a click if you like.
                  This is a dark alert with an example link. Give it a click if you like.
```

https://getbootstrap.com/docs/4.0/components/alerts/

Cards

```
4
```

Texto do card

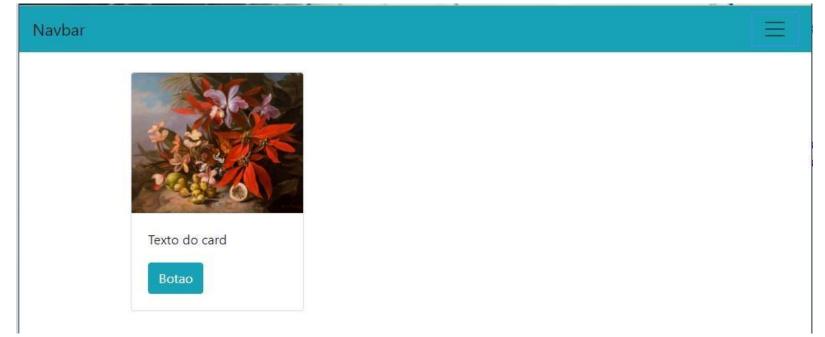
Botao

https://getbootstrap.com/docs/4.0/components/card/



```
<header>
   <nav class="navbar navbar-light bg-info">
       <a class="navbar-brand" href="#">Navbar</a>
   </nav>
</header>
    Navbar
        Texto do card
         Botao
```





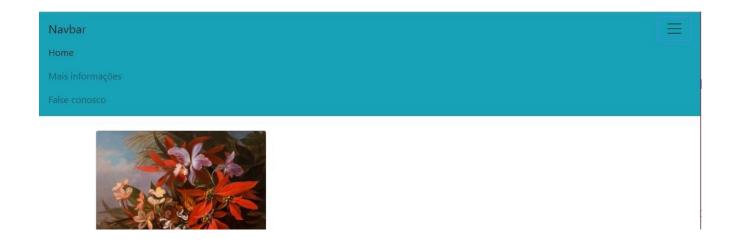
```
4
```

```
<button class="navbar-toggler" type="button" data-toggle="collapse" data-target=</pre>
"#itensminimizados" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle
navigation">
   <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="itensminimizados">
   <a class="nav-link" href="#">Home <span class="sr-only">(current)</span></a>
      <a class="nav-link" href="#">Mais informações</a>
      </1i>
      <a class="nav-link" href="#">False conosco</a>
      </div>
```

Navbar







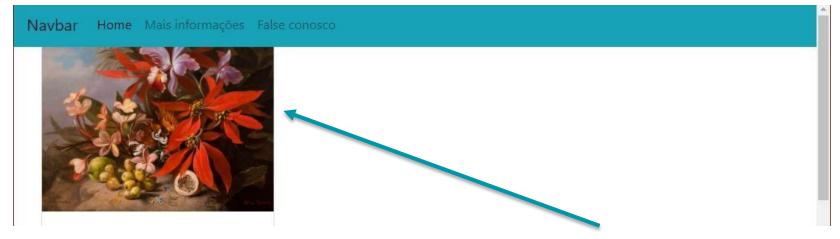
Navbar





Navbar Home Mais informações False conosco





Adicionar margin, margin-top, padding ou padding-top

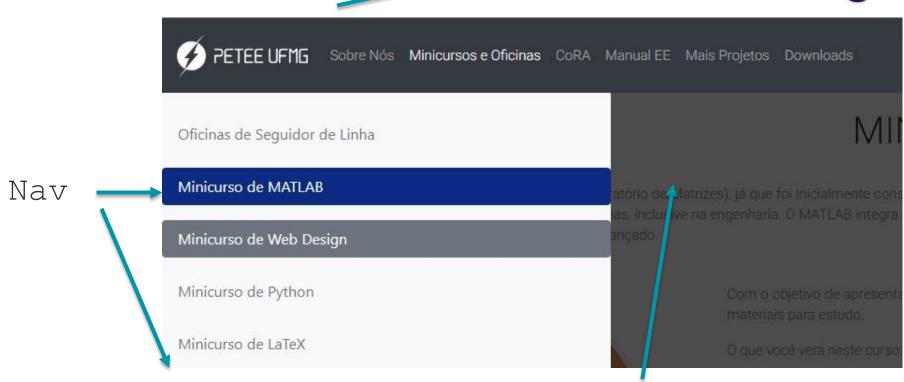


Navs

4

Menus de navegação





→ Navbar

Seleciona o conteúdo da página

https://getbootstrap.com/docs/4.4/components/navs/

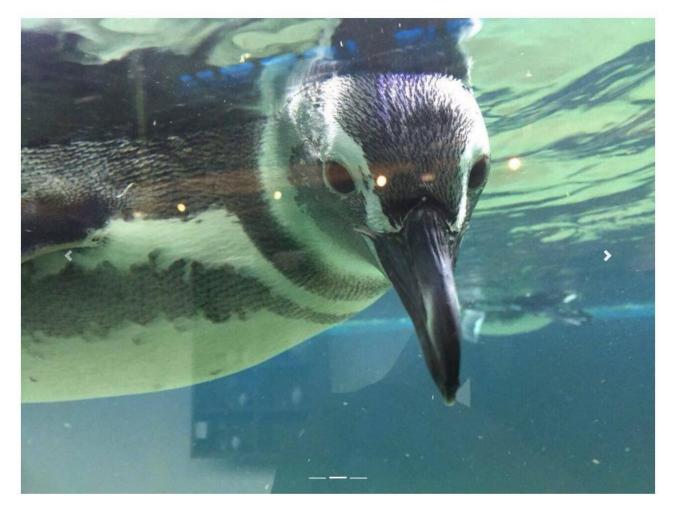




```
<div id="carouselExampleIndicators" class="carousel slide" data-ride="carousel">
   data-target="#carouselExampleIndicators" data-slide-to="0" class="active">
       data-target="#carouselExampleIndicators" data-slide-to="2">
   <div class="carousel-inner">
       <div class="carousel-item active">
          <img src="img/flores.jpg" class="d-block w-100" alt="...">
       </div>
       <div class="carousel-item">
          <imq src="imq/pinquim.jpg" class="d-block w-100" alt="...">
       </div>
       <div class="carousel-item">
          <imq src="..." class="d-block w-100" alt="...">
       </div>
   </div>
   <a class="carousel-control-prev" href="#carouselExampleIndicators" role="button" data-slide="prev">
       <span class="carousel-control-prev-icon" aria-hidden="true"></span>
       <span class="sr-only">Previous</span>
   </a>
   <a class="carousel-control-next" href="#carouselExampleIndicators" role="button" data-slide="next">
       <span class="carousel-control-next-icon" aria-hidden="true"></span>
       <span class="sr-only">Next</span>
   </a>
</div>
```

Carrossel







https://getbootstrap.com/docs/4.4/components/carousel/



В	Home	Documentation	Examples
---	------	---------------	----------

https://getbootstrap.com/docs/4.4/getting-started/introduction/

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