

# Bootstrap

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- `@media screen and (min-width: 480px) {  
 #leftsidebar {width: 200px; float: left;}  
 #main {margin-left: 216px;}  
}`

# Grid Options

	<b>Extra small devices Phones (<math>&lt;768\text{px}</math>)</b>	<b>Small devices Tablets (<math>\geq 768\text{px}</math>)</b>	<b>Medium devices Desktops (<math>\geq 992\text{px}</math>)</b>	<b>Large devices Desktops (<math>\geq 1200\text{px}</math>)</b>
Grid behavior	Horizontal at all times	Collapsed to start, horizontal above breakpoints	Collapsed to start, horizontal above breakpoints	Collapsed to start, horizontal above breakpoints
Max container width	None (auto)	750px	970px	1170px
Class prefix	<b>.col-xs-</b>	<b>.col-sm-</b>	<b>.col-md-</b>	<b>.col-lg-</b>
# of columns	12	12	12	12

# Formatting

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## **Classes for Contextual Colors and Backgrounds**

- .text-muted,
- .text-primary,
- .text-success,
- .text-info,
- .text-warning,
- .text-danger.

# Formatting

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## **The classes for background colors**

- .bg-primary,
- .bg-success,
- .bg-info,
- .bg-warning,
- .bg-danger

# Button

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**To achieve the button styles above, Bootstrap has the following classes:**

- `.btn`
- `.btn-default`
- `.btn-primary`
- `.btn-success`
- `.btn-info`
- `.btn-warning`
- `.btn-danger`
- `.btn-link`



# Button Sizes

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**Bootstrap provides four button sizes**

- `.btn-lg`
- `.btn-md`
- `.btn-sm`
- `.btn-xs`

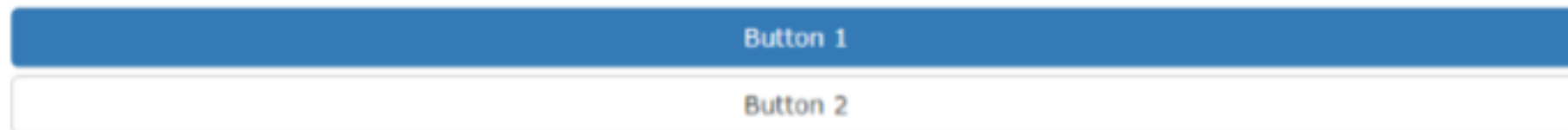


# Block Level Buttons:

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**Add class `.btn-block` to create a block level button:**

**A block level button spans the entire width of the parent element.**



# Button group

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- btn-group role="group"
- Btn btn-primary
- Btn-group-lg
- Btn-group-vertical

```
<div class="btn-group" role="group">  
  <button type="button" class="btn btn-default">Left</button>  
  <button type="button" class="btn btn-default">Middle</button>  
  <button type="button" class="btn btn-default">Right</button>  
</div>
```

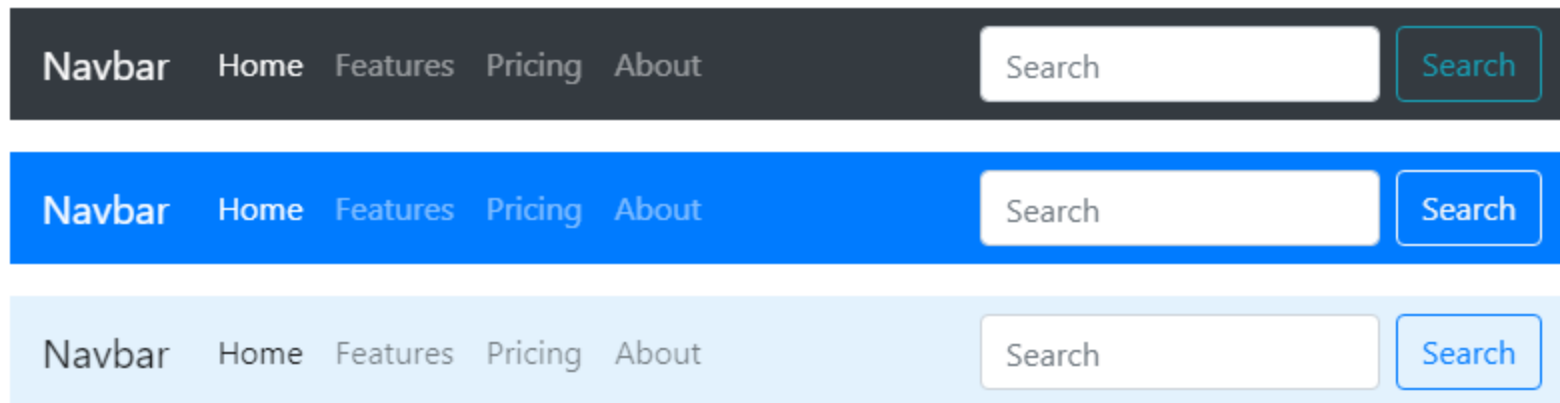


# Navbar

```
<nav class="navbar navbar-dark bg-dark">  
  <!-- Navbar content -->  
</nav>
```

```
<nav class="navbar navbar-dark bg-primary">  
  <!-- Navbar content -->  
</nav>
```

```
<nav class="navbar navbar-light" style="background-color: #e3f2fd;">  
  <!-- Navbar content -->  
</nav>
```



# Navbar position

---

- Navbar-expand-lg
- fixed-top
- Fixed-bottom
- Sticky-top

```
<nav class="navbar fixed-top navbar-light bg-light">  
</nav>
```

# Navbar brand

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- navbar-brand

```
<!-- Just an image -->
<nav class="navbar navbar-light bg-light">
  <a class="navbar-brand" href="#">
    
  </a>
</nav>
```

# Navbar brand

---

- .navbar-toggler
- Data-toggle="collapse"
- Data-target="#navbarnav"
- Icon : navbar-toggler-icon

```
<nav class="navbar navbar-expand-lg navbar-light bg-light">  
  <a class="navbar-brand" href="#">Navbar</a>  
  <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNav"  
    aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">  
    <span class="navbar-toggler-icon"></span>  
  </button>  
,
```

# Navbar content

---

- . class="collapse navbar-collapse"
- id="navbarNav"

```
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <a class="navbar-brand" href="#">Navbar</a>
  <button class="navbar-toggler" data-toggle="collapse" data-target="#navbarNav" >
    <span class="navbar-toggler-icon"></span>
  </button>

  <div class="collapse navbar-collapse" id="navbarNav">

  </div>
</nav>
```

# Navbar list items

---

- .Navbar-nav
- Nav-item active
- Nav-link

```
<ul class="navbar-nav">  
  <li class="nav-item active">  
    <a class="nav-link" href="#">Home</a>  
  </li>
```

# Navbar dropdown

---

- .nav-item dropdown
- .Nav-link .dropdown-toggle id="" data-toggle="drop-down"
- .dropdown-menu
- .dropdown-item

```
<li class="nav-item dropdown">
  <a class="nav-link dropdown-toggle" href="#" id="navbarDropdownMenuLink" data-toggle="
  dropdown">
    Dropdown link
  </a>
  <div class="dropdown-menu" aria-labelledby="navbarDropdownMenuLink">
    <a class="dropdown-item" href="#">Action</a>
    <a class="dropdown-item" href="#">Another action</a>
    <a class="dropdown-item" href="#">Something else here</a>
  </div>
</li>
```

# Tab

---

- .nav .nav-tabs
- .nav—item
- .nav-link

```
<ul class="nav nav-tabs">
  <li class="nav-item">
    <a class="nav-link active" href="#">Active</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="#">Link</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="#">Link</a>
  </li>
  <li class="nav-item">
    <a class="nav-link disabled" href="#" tabindex="-1" aria-disabled="true">Disabled</a>
  </li>
</ul>
```



# Alerts

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- . Bootstrap provides an easy way to create predefined alert messages.
- Alerts are created with the .alert class, followed by one of the four contextual classes .alert-success, .alert-info, .alert-warning or .alert-danger.

**Success!** This alert box indicates a successful or positive action.



**Info!** This alert box indicates a neutral informative change or action.



**Warning!** This alert box indicates a warning that might need attention.



**Danger!** This alert box indicates a dangerous or potentially negative action.



# Alerts

```
<div class="alert alert-success alert-dismissible">  
  <button class="close" data-dismiss="alert" >&times;</button>  
  <p>this is an alert box example of <a href="#" class="alert-link">alert success</a></p>  
</div>
```

- . Add the alert-link class to any links inside the alert box to create "matching colored links".
- Closing Alerts:
- To close the alert message, add a .alert-dismissible class to the alert container. Then add class="close" and data-dismiss="alert" to a link or a button element (when you click on this the alert box will disappear).
- Animated Alerts:
- The .fade and .in classes adds a fading effect when closing the alert message.

# Alert Classes

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Class	Description
<code>.alert</code>	Creates an alert message box
<code>.alert-danger</code>	Red alert. Indicates a dangerous or potentially negative action
<code>.alert-dismissible</code>	Indicates a closable alert box. Together with the <code>.close</code> class, this class is used to close the alert (adds extra padding)
<code>.alert-info</code>	Light-blue alert. Indicates a neutral informative change or action
<code>.alert-link</code>	Used on links inside alerts to provide matching colored links
<code>.alert-success</code>	Green alert. Indicates a successful or positive action
<code>.alert-warning</code>	Yellow alert. Indicates caution should be taken with this action
<code>.close</code>	Styles the close button for the alert message (floats right with a specified font-size, color, etc.)

# Bootstrap card

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- Card
- Card-img-top
- Card-body
- Card-title
- Card-text
- Text-white

# Bootstrap Carousel

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- `class="carousel slide" data-ride="carousel" id="my slideshow"`
- `carousel-inner`
- `carousel-item active`
- ``

# Carousel Controls

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- Out side of carousel-inner class

```
<a class="carousel-control-prev" href="#carouselExampleControls" role="button" data-slide="prev">  
<span class="carousel-control-prev-icon" aria-hidden="true"></span>  
<span class="sr-only">Previous</span>  
</a>
```

# Carousel Indicators

---

- Above Carousel-inner

```
<ol class="carousel-indicators">  
  <li data-target="#carouselExampleIndicators" data-slide-to="0" class="active"></li>  
  <li data-target="#carouselExampleIndicators" data-slide-to="1"></li>  
  <li data-target="#carouselExampleIndicators" data-slide-to="2"></li>  
</ol>
```

# Carousel Captions

---

- Above Carousel-inner

```

```

```
<div class="carousel-caption">
```

```
<h5>...</h5>
```

```
<p>...</p>
```



# Boostarp Forms

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- Form-group
- form-control

## checkboxes

- Form-check
- form-check-input

# Boostarp Model

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```
<!-- Trigger the modal with a button -->  
<button type="button" class="btn btn-info btn-lg" data-toggle="modal" data-target="#myModal">Open  
Modal</button>  
<!-- Modal -->  
<div id="myModal" class="modal fade" role="dialog">
```

- .modal-dialog
- .modal-content
- .modal-header
- .modal-body
- .modal-footer

# pagination

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- The `.pagination` class provides pagination links:
- Add class `.active` to let the user know which page user is on
- Add class `.disabled` if a link for some reason is disabled
- Add class `.pagination-lg` for larger blocks or `.pagination-sm` for smaller blocks

```
<ul class="pagination pagination-lg">
  <li class="active"><a href="#">1</a></li>
  <li class="active"><a href="#">2</a></li>
  <li class="disabled"><a href="#">3</a></li>
  <li><a href="#">4</a></li>
  <li><a href="#">5</a></li>
</ul>
```

# Breadcrumbs

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- The `.breadcrumb` class indicates the current page's location within a navigational hierarchy:
- Add class `.active` to let the user know which page user is on

[Photos](#) / [Summer 2017](#) / [Italy](#) / Rome

```
<ul class="breadcrumb">
  <li class="breadcrumb-item"><a href="#">Photos</a></li>
  <li class="breadcrumb-item"><a href="#">Summer 2017</a></li>
  <li class="breadcrumb-item"><a href="#">Italy</a></li>
  <li class="breadcrumb-item active">Rome</li>
</ul>
```

# badges

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- Badges are used to add additional information to any content

**Example heading** **New**

```
<h1>Example heading <span class="badge badge-secondary">New</span></h1>
```

## Contextual Badges



```
<span class="badge badge-primary">Primary</span>
```

# Accordion

---

```
<div id="accordion">
  <div class="card">
    <div class="card-header">
      <a class="card-link" data-toggle="collapse" href="#collapseOne">
        Collapsible Group Item #1
      </a>
    </div>
    <div id="collapseOne" class="collapse show" data-parent="#accordion">
      <div class="card-body">
        Lorem ipsum...
      </div>
    </div>
  </div>
</div>
```