



MERN – ES6 + React

Module 06: Bootstrap Advanced

Outline

Module 06

- ▶ Bootstrap Intermediate
- ▶ How to create Buttons
- ▶ How to create Forms
- ▶ How to create Navbars
- ▶ How to create Grids

Bootstrap 5 Utilities

Spacing

- ▶ The classes are used in the format:
 - `{property}{sides}-{size}` for xs
 - `{property}{sides}-{breakpoint}-{size}` for sm, md, lg, xl and xxl
- ▶ Where property is one of:
 - `m` - sets margin
 - `p` - sets padding

Where *sides* is one of:

- `t` - sets `margin-top` or `padding-top`
- `b` - sets `margin-bottom` or `padding-bottom`
- `s` - sets `margin-left` or `padding-left`
- `e` - sets `margin-right` or `padding-right`
- `x` - sets both `padding-left` and `padding-right` or `margin-left` and `margin-right`
- `y` - sets both `padding-top` and `padding-bottom` or `margin-top` and `margin-bottom`
- blank - sets a `margin` or `padding` on all 4 sides of the element

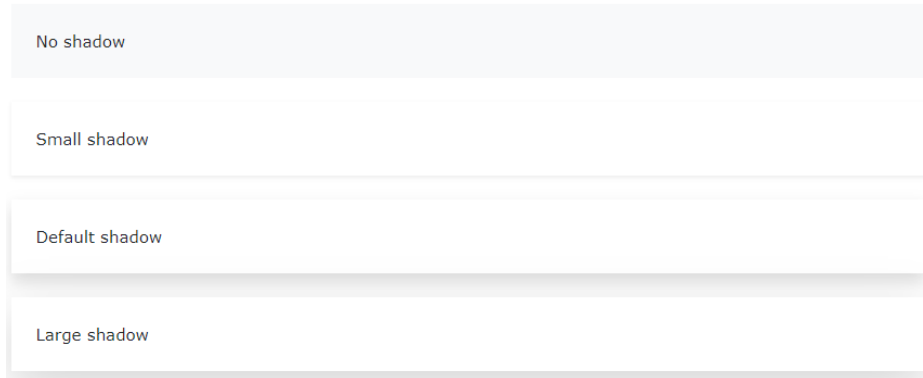
Where *size* is one of:

- `0` - sets `margin` or `padding` to `0`
- `1` - sets `margin` or `padding` to `.25rem`
- `2` - sets `margin` or `padding` to `.5rem`
- `3` - sets `margin` or `padding` to `1rem`
- `4` - sets `margin` or `padding` to `1.5rem`
- `5` - sets `margin` or `padding` to `3rem`
- `auto` - sets `margin` to `auto`

Bootstrap 5 Utilities

Shadows

- Use the shadow- classes to add shadows to an element:



```
<div class="shadow-none p-4 mb-4 bg-light">No shadow</div>  
<div class="shadow-sm p-4 mb-4 bg-white">Small shadow</div>  
<div class="shadow p-4 mb-4 bg-white">Default shadow</div>  
<div class="shadow-lg p-4 mb-4 bg-white">Large shadow</div>
```

Bootstrap 5 Tables

- ▶ The `.table` class adds basic styling to a table:
- ▶ A basic Bootstrap 5 table has a light padding and horizontal dividers.



Firstname	Lastname	Email
John	Doe	john@example.com
Mary	Moe	mary@example.com
July	Dooley	july@example.com

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[Tryit Editor Stripped](#)

[Tryit Editor Hover](#)

Bootstrap 5 Buttons

Button Styles

- ▶ Bootstrap 5 provides different styles of buttons:



```
<button type="button" class="btn">Basic</button>  
<button type="button" class="btn btn-primary">Primary</button>  
<button type="button" class="btn btn-secondary">Secondary</button>  
<button type="button" class="btn btn-success">Success</button>  
<button type="button" class="btn btn-info">Info</button>  
<button type="button" class="btn btn-warning">Warning</button>  
<button type="button" class="btn btn-danger">Danger</button>  
<button type="button" class="btn btn-dark">Dark</button>  
<button type="button" class="btn btn-light">Light</button>  
<button type="button" class="btn btn-link">Link</button>
```

Bootstrap 5 Buttons

Button Outline

- ▶ Bootstrap 5 also provides eight outline/bordered buttons.



```
<button type="button" class="btn btn-outline-primary">Primary</button>  
<button type="button" class="btn btn-outline-secondary">Secondary</button>  
<button type="button" class="btn btn-outline-success">Success</button>  
<button type="button" class="btn btn-outline-info">Info</button>  
<button type="button" class="btn btn-outline-warning">Warning</button>  
<button type="button" class="btn btn-outline-danger">Danger</button>  
<button type="button" class="btn btn-outline-dark">Dark</button>  
<button type="button" class="btn btn-outline-light text-dark">Light</button>
```

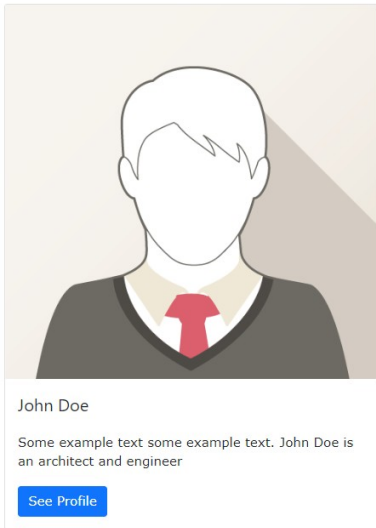
Move the mouse over them to see an additional "hover" effect:

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Bootstrap 5 Cards

Cards

- ▶ A card in Bootstrap 5 is a bordered box with some padding around its content. It includes options for headers, footers, content, colors, etc.



```
<div class="card" style="width:400px">
  
  <div class="card-body">
    <h4 class="card-title">John Doe</h4>
    <p class="card-text">Some example text.</p>
    <a href="#" class="btn btn-primary">See Profile</a>
  </div>
</div>
```


Bootstrap 5 Forms

Stacked Form

- ▶ All textual `<input>` and `<textarea>` elements with class `.form-control` get proper form styling:

```
<form action="/action_page.php">
  <div class="mb-3 mt-3">
    <label for="email" class="form-label">Email:</label>
    <input type="email" class="form-control" id="email" placeholder="Enter email" name="email">
  </div>
  <div class="mb-3">
    <label for="pwd" class="form-label">Password:</label>
    <input type="password" class="form-control" id="pwd" placeholder="Enter password" name="pswd">
  </div>
  <div class="form-check mb-3">
    <label class="form-check-label">
      <input class="form-check-input" type="checkbox" name="remember"> Remember me
    </label>
  </div>
  <button type="submit" class="btn btn-primary">Submit</button>
</form>
```

Stacked form

Email:

Password:

Remember me

Bootstrap 5 Navbars

Navigation Bars

- ▶ A navigation bar is a navigation header that is placed at the top of the page:



- ▶ Navbar Classes
 - .navbar-brand
 - .fixed-top
 - .fixed-bottom
 - .sticky-top

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Bootstrap 5 Carousel

Carousel / Slideshow

- ▶ The Carousel is a slideshow for cycling through elements:



Bootstrap Templates

Next step

- ▶ Why is Bootstrap so popular???
- ▶ Because there are so many free templates out there for use.
 - <http://getbootstrap.com/getting-started/#example>
 - <http://www.bootstrapzero.com/>
 - <http://startbootstrap.com/>
 - <https://bootstrapmade.com/>
- ▶ How do you use them?
 - First, decide on a template that best supports your content
 - Download the code
 - Modify the HTML
 - Add or remove components

Summary

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