

 bootstrap-documentation

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	anisul-Islam adding video links	e3fcf7a on Jan 8, 2022	🕒 14 commits
	README.md	adding video links	2 years ago
	index.html	merged	2 years ago

Bootstrap 5 Tutorial [↗](#)


- prerequisites: HTML, CSS


BS4 vs BS5 [↗](#)


- support IE 10 and 11
- more colors added in bootstrap 5
- card-deck class is not supported anymore
- jumbotron not supported in bs5
- jQuery is removed and vanilla js has taken place in bs5


About


In this repo, I will share my bootstrap knowledge with you.

 Readme

 Activity

 25 stars

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 23 forks

Report repository

Releases

No releases published

Packages

No packages published

Languages

- bootstrap 5 has own SVG icons
- form elements such as buttons, checkboxes used to look - different based on OS and browser now it remains same
- breakpoints: now 6 break-points xs, sm, md, lg, xl, xxl
-

0. welcome to Bootstrap4 and 5

1. Introduction to Bootstrap

1.1 What is Bootstrap? [↗](#)

- Most powerful and popular Front end framework.

1.2 Why Bootstrap? [↗](#)

- It includes HTML, CSS based design for buttons, navigation etc.
- Easier web development
 - create navbar, alert boxes, different layout so easily
- Create responsive web page easily
- save time
- open source

2. Create a bootstrap webpage

- create a basic html file with 6 heading tags
- How to add bootstrap to your project?
 - add css cdn to the head of html file : `<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-`

```
1BmE4kWBq78iYhF1dvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
```

```
crossorigin="anonymous">
```

- o add js cdn inside the body: `<script`

```
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-
```

```
ka7Sk0Gln4gmtz2MlQnikT1wXgYs0g+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
```

```
crossorigin="anonymous"></script>
```

3. Containers and grid

- breakpoints: xs < 576px | sm >=576px | md >=768px | lg >=992 | xl >=1200px | xxl >=1400px
- .container: for x-small it will take 100%; but for other breakpoints it will take maximum not full width of viewport
- .container-fluid
- .container-{breakpoint}; example- .container-md
- example

```
<div class="container">  
  <h1>Anisul Islam</h1>  
  <p>Born To Teach.</p>
```

```
<h2>About Me</h2>
```

```
<p>
```

```
  Lorem ipsum dolor sit amet consectetur adipisicing elit. Soluta,  
  repudiandae laboriosam? Odit repudiandae beatae eius modi sapiente eveniet  
  exercitationem illum.
```

```
</p>
```

```
</div>
```



- built with flexbox layout
- .row

- .col, .col-{breakpoints}; breakpoints are: xs, sm, md, lg, xl, xxl
- responsive grid
- example:

```
<div class="row">
  <h2>My Services</h2>
  <div class="col-md-4 col-md-6">
    <h3>Web development</h3>
    <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.</p>
  </div>
  <div class="col-md-4 col-md-6">
    <h3>Web development</h3>
    <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.</p>
  </div>
  <div class="col-md-4 col-md-6">
    <h3>Web development</h3>
    <p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.</p>
  </div>
</div>
```html
```



## 4. bootstrap 4 vs bootstrap5

## 5. colors and spacing - Margin, padding

- colors: primary(blue), success(green), info(light blue), warning(orange), danger(red), secondary(grey), white, dark, light
- bg-colorName
- text-colorName
- p-0 (no padding), p-1(0.25rem), p-2(0.5rem), p-3(1rem), p-4(1.5rem) to p-5
- pl-value; pr-value; pt-value; pb-value; px-value; py-value;
- responsive padding: p-3, p-lg-5

- use m for margin

## 6. border and image

- border, border-colorName, rounded-left, rounded-circle
- responsive image: img-fluid
- thumbnail image: img-thumbnail
- aligning-image: float start, float-end
- centering image: mx-auto d-block or make the parent div text-center

## 7. Text and font

- text-left, text-right, text-center, text-justify
- responsive text-alignment: text-sm-left text-md-center
- text-lowercase, text-uppercase, text-capitalize
- text-decoration-none

## 8. dismissible alert

- example

```
<div class="alert alert-danger alert-dismissible" role="alert">
 <button
 class="btn-close"
 data-bs-dismiss="alert"
 aria-label="Close"
 ></button>
 Lorem ipsum, dolor sit amet consectetur adipisicing elit. Sapiente, fuga!
</div>
```



## 9. blockquote and abbreviations

- example

## 10. button, button group, list group

- btn, btn-link, btn-group
- btn-colorName; example: btn-primary, btn-light
- btn-outline-colorName
- button modifiers: btn-lg, btn-sm, btn-block, btn-group-lg, disabled
- example

## 11. collapse and pagination

- example

```
<!-- collapse example -->
learn more
<button
 class="btn btn-primary"
 type="button"
 data-bs-toggle="collapse"
 data-bs-target="#demo"
 aria-expanded="false"
 aria-controls="demo"
>
 learn more
</button>
<div class="collapse" id="demo">
 <p>
 Lorem ipsum dolor sit amet consectetur adipisicing elit. Id dolorem sed
 quisquam repudiandae sequi voluptatibus, aperiam aliquam adipisci nam
 maiores quia unde necessitatibus veritatis eligendi in laboriosam, officia
 porro? Explicabo.
```

```

 </p>
 </div>

 <!-- pagination example -->
 <footer>
 <ul class="pagination py-3 justify-content-center">
 <li class="page-item">1
 <li class="page-item">2
 <li class="page-item">3

 </footer>

```

## 12. Navigation menu

- example

```

 <!-- nav example -->
 <ul class="nav justify-content-center py-3 bg-primary">
 <li class="nav-item">
 Home

 <li class="nav-item">
 Tutorial

 <li class="nav-item">
 Gallery

 <li class="nav-item">
 Contact


```



## 13. Toggleable dynamic tab and pill

## 14. Navbar

## 15. Card

- example

```
<div class="row">
 <div class="col-lg-3">
 <div class="card">

 <div class="card-body">
 <h4 class="card-title">Card Title</h4>
 <p class="card-text">card text is here. add your description</p>
 <a href="#" class="card-link stretched-link" target="_blank"
 >visit the link
 </div>
 </div>
 </div>
 </div>
</div>
```

## 16. Media objects

## 17. Table

- we can use table-colorName on table, tr, td
- Use .table-striped to add zebra-striping to any table row within the .
- example

```
<table class="table table-bordered table-hover text-center table-striped">
 <caption>
 My Education
 </caption>
 <thead style="background-color: darkseagreen">
```



```

<tr>
 <th scope="col">Qualification</th>
 <th scope="col">Institution</th>
 <th scope="col">Passing Year</th>
 <th scope="col">Grade</th>
</tr>
</thead>
<tbody>
 <tr class="table-primary">
 <th scope="row">SSC</th>
 <td>SingerKatch High School and College</td>
 <td>2006</td>
 <td rowspan="2">3.44 / 5.00</td>
 </tr>
 <tr class="table-secondary">
 <th scope="row">HSC</td>
 <td>SingerKatch High School and College</td>
 <td>2008</td>
 </tr>
 <tr>
 <th scope="row">BSc in CSE</td>
 <td>Leading University</td>
 <td>2017</td>
 <td>3.92 / 4.00</td>
 </tr>
</tbody>
</table>

```

## 18. Form

- form controls create block level and allows us to style input and textarea with custom sizing, designing and more.
- sizing: form-control, form-control-lg, form-control-sm
- example



```
<div id="contact-me" class="p-3">
 <h2 class="text-center">Contact</h2>
 <form action="">

 <!-- name here -->
 <div class="mb-3">
 <label for="fullname" class="form-label">fullname: </label>
 <input type="text" id="fullname" name="fullname" class="form-control">
 </div>

 <!-- email here -->
 <div class="mb-3">
 <label for="email" class="form-label">email: </label>
 <input type="email" id="email" name="email" class="form-control">
 <div id="emailHelp" class="form-text">We'll never share your email with any
 </div>

 <!-- password here -->
 <div class="mb-3">
 <label for="password" class="form-label">password: </label>
 <input type="password" id="password" name="password" class="form-control">
 <div id="passwordHelp" class="form-text">Must be 8-20 characters long.</div>
 </div>

 <!-- color selector here -->
 <div class="mb-3">
 <label for="exampleColorInput" class="form-label">Color picker</label>
 <input type="color" class="form-control-color" id="exampleColorInput" val
 </div>

 <!-- dropdown menu here -->
 <div class="mb-3">
 <select class="form-select" aria-label="department">
 <option selected>CSE</option>
 <option value="1">EEE</option>
 <option value="2">LLB</option>
 </select>
 </div>

 <!-- checkbox here -->
```



```

<!-- form grid example -->
<div class="row">
 <div class="col">
 <input type="text" class="form-control" placeholder="First name" aria-label="First name">
 </div>
 <div class="col">
 <input type="text" class="form-control" placeholder="Last name" aria-label="Last name">
 </div>
</div>

<button class="btn btn-primary" type="submit">Submit</button>
</div>
</form>

```

## 19. Carousel

## 20. Badge, progress and tooltip

- example

```

<h2>
 Bootstrap5 video New
</h2>

<button type="button" class="btn btn-primary">
 Notifications 4
</button>

<button
 type="button"
 class="btn btn-secondary"
 data-bs-toggle="tooltip"
 data-bs-placement="right"
 title="by clicking sign up you will be registered"
>
 sign up

```



```

</button>

<div class="progress mt-3">
 <div
 class="progress-bar bg-success w-75"
 role="progressbar"
 aria-valuenow="75"
 aria-valuemin="0"
 aria-valuemax="100"
 >
 75%
 </div>
</div>

```

## 21. List group

- example

```

<!-- list can have link and button -->
<ul class="list-group">
 <li class="list-group-item active">An item
 <a href="#" class="list-group-item list-group-item-action"
 >A second link item
 >
 <button type="button" class="list-group-item list-group-item-action">
 A third button item
 </button>
 <li class="list-group-item">A fourth item
 <li class="list-group-item">And a fifth one

<!-- list, badge -->
<ul class="list-group">
 <li
 class="list-group-item d-flex justify-content-between align-items-center"
 >
 Books
 10


```

```

<li
 class="list-group-item d-flex justify-content-between align-items-center"
>
 Pens
 5


```

## 22. float and svg icons

- bootstrap svg icons - <https://icons.getbootstrap.com/>
- example

```

<div class="clearfix">
 <div class="float-start w-50">
 <p>
 Lorem ipsum dolor sit, amet consectetur adipisicing elit. Debitis,
 architecto, totam harum eaque commodi dignissimos alias veniam tenetur
 maxime, sapiente nisi facere ipsa saepe inventore.
 </p>
 </div>
 <div class="float-end w-50">
 <p>
 <i class="bi bi-123"></i>
 Lorem ipsum dolor sit, amet consectetur adipisicing elit. Debitis,
 architecto, totam harum eaque commodi dignissimos alias veniam tenetur
 maxime, sapiente nisi facere ipsa saepe inventore.
 </p>
 </div>
</div>

<button class="btn btn-primary">
 <svg
 xmlns="http://www.w3.org/2000/svg"
 width="16"
 height="16"
 fill="currentColor"

```



```

class="bi bi-alarm"
viewBox="0 0 16 16"
>
<path
 d="M8.5 5.5a.5.5 0 0 0-1 0v3.362l-1.429 2.38a.5.5 0 1 0 .858.515l1.5-2.5A.5
/>
<path
 d="M6.5 0a.5.5 0 0 0 0 1H7v1.07a7.001 7.001 0 0 0-3.273 12.474l-.602.602a.5
/>
</svg>
Alarm
</button>

```

## 23. position and display

- example

```
<!-- // display: none, block, inline, inline-block, flex, grid, table -->
```



```

<!-- <button class="d-none">click me 1</button>
<button class="d-block">click me 2</button>

```

```

<div class="bg-success d-inline-block">
 <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. A culpa</p>
</div>
<div class="bg-primary d-inline-block">
 <p>
 Lorem ipsum dolor sit amet consectetur adipisicing elit. Accusamus
 tempore in qui. Quasi, quas non?
 </p>
</div> -->

```

```
<!-- positioning: static, fixed, sticky, absolute, relative -->
```

```

<div class="bg-success position-relative" style="height: 200px">
 <button class="position-absolute start-50 top-50 translate-middle">
 click me

```

```
</button>
</div>
```

## 24. flex

- example

```
<!-- responsive flex items -->
<div
 class="card-container d-flex flex-sm-column flex-md-row bg-success p-3"
<!--
>
 <div class="card w-25">
 <div class="card-body">
 <h4 class="card-title">card title</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
 </div>
 <div class="card w-25">
 <div class="card-body">
 <h4 class="card-title">card title</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
 </div>
 <div class="card w-25">
 <div class="card-body">
 <h4 class="card-title">card title</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
 </div>
</div>

<!-- horizontal alignment -->
```







```

 <h4 class="card-title">card title</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
</div>
<div class="card w-25">
 <div class="card-body">
 <h4 class="card-title">card title</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
</div>
<div class="card w-25">
 <div class="card-body">
 <h4 class="card-title">card title</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
</div>
</div>

<!-- horizontal and vertical alignment together -->

<div
 class="card-container d-flex flex-sm-column flex-md-row bg-primary p-3 justify-cont
 style="height: 100vh"
 <!--
>
 <div class="card w-25 m-1">
 <div class="card-body">
 <h4 class="card-title">card title</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
 </div>
</div>
<div class="card w-25 m-1">

```

```

 <div class="card-body">
 <h4 class="card-title">card title</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
 </div>
<div class="card w-25 m-1">
 <div class="card-body">
 <h4 class="card-title">card title</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
</div>
</div>

<!-- order of flex items -->
<div
 class="card-container d-flex flex-sm-column flex-md-row bg-primary p-3 justify-content-between"
 style="height: 100vh"
 <!--
>
 <div class="card w-25 m-1 order-3">
 <div class="card-body">
 <h4 class="card-title">card title1</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
 </div>
 <div class="card w-25 m-1 order-1">
 <div class="card-body">
 <h4 class="card-title">card title2</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
 </div>
 <div class="card w-25 m-1 order-2">

```

```

 <div class="card-body">
 <h4 class="card-title">card title3</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
 </div>
</div>

<!-- align-self: start / end/ center / stretched -->
<div
 class="card-container d-flex flex-sm-column flex-md-row bg-primary p-3 justify-cont
 style="height: 100vh"
 <!--
>
 <div class="card w-25 m-1 align-self-start">
 <div class="card-body">
 <h4 class="card-title">card title1</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
 </div>
 <div class="card w-25 m-1">
 <div class="card-body">
 <h4 class="card-title">card title2</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
 </div>
 <div class="card w-25 m-1 align-self-end">
 <div class="card-body">
 <h4 class="card-title">card title3</h4>
 <p class="card-text">
 Lorem ipsum dolor sit amet consectetur, adipisicing elit.
 </p>
 </div>
 </div>

```

```
</div>
```

## 25. Modal

- example

```
<!-- modal example -->
<!-- Button trigger modal -->
<button
 type="button"
 class="btn btn-primary"
 data-bs-toggle="modal"
 data-bs-target="#exampleModal"
>
 Launch demo modal
</button>

<!-- Modal -->
<div class="modal fade" id="exampleModal">
 <div class="modal-dialog">
 <div class="modal-content">
 <div class="modal-header">
 <h5 class="modal-title" id="exampleModalLabel">Modal title</h5>
 <button
 type="button"
 class="btn-close"
 data-bs-dismiss="modal"
 aria-label="Close"
 ></button>
 </div>
 <div class="modal-body">some text is here</div>
 <div class="modal-footer">
 <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">
 Close
 </button>
 <button type="button" class="btn btn-primary">Save changes</button>
 </div>
 </div>
 </div>
</div>
```



```
 </div>
 </div>
</div>
```

## 26. Projects