TP-04

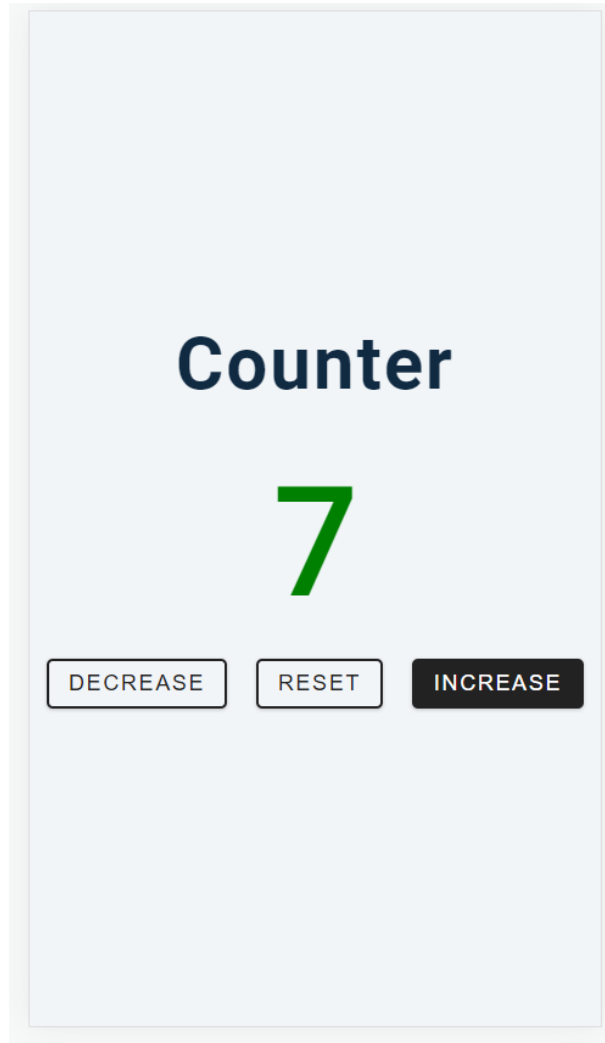# **JavaScript**

(Class/Object applied mini app)

Counter

EX1: Build a number counter app with Class/Object concept and local storage

Counter

7

DECREASE   RESET   INCREASE

```
class Counter {
    number = 0
    constructor() {
        // to do
    }

    decrease() {
        // to do
    }

    increase() {
        // to do
    }

    reset() {
        // to do
    }
}
```
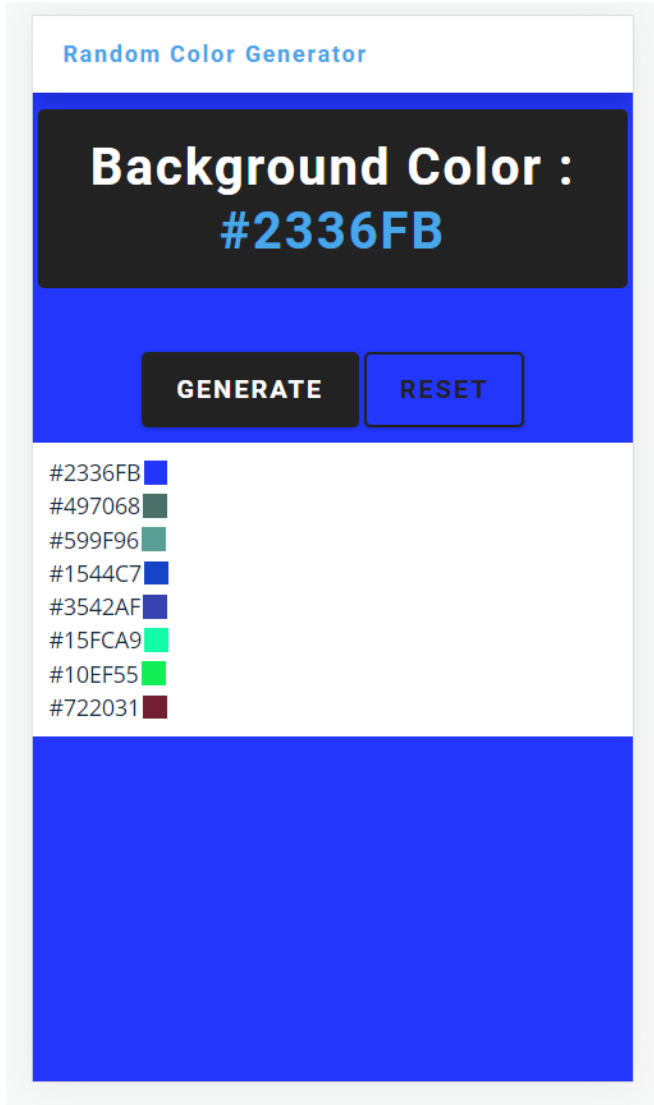
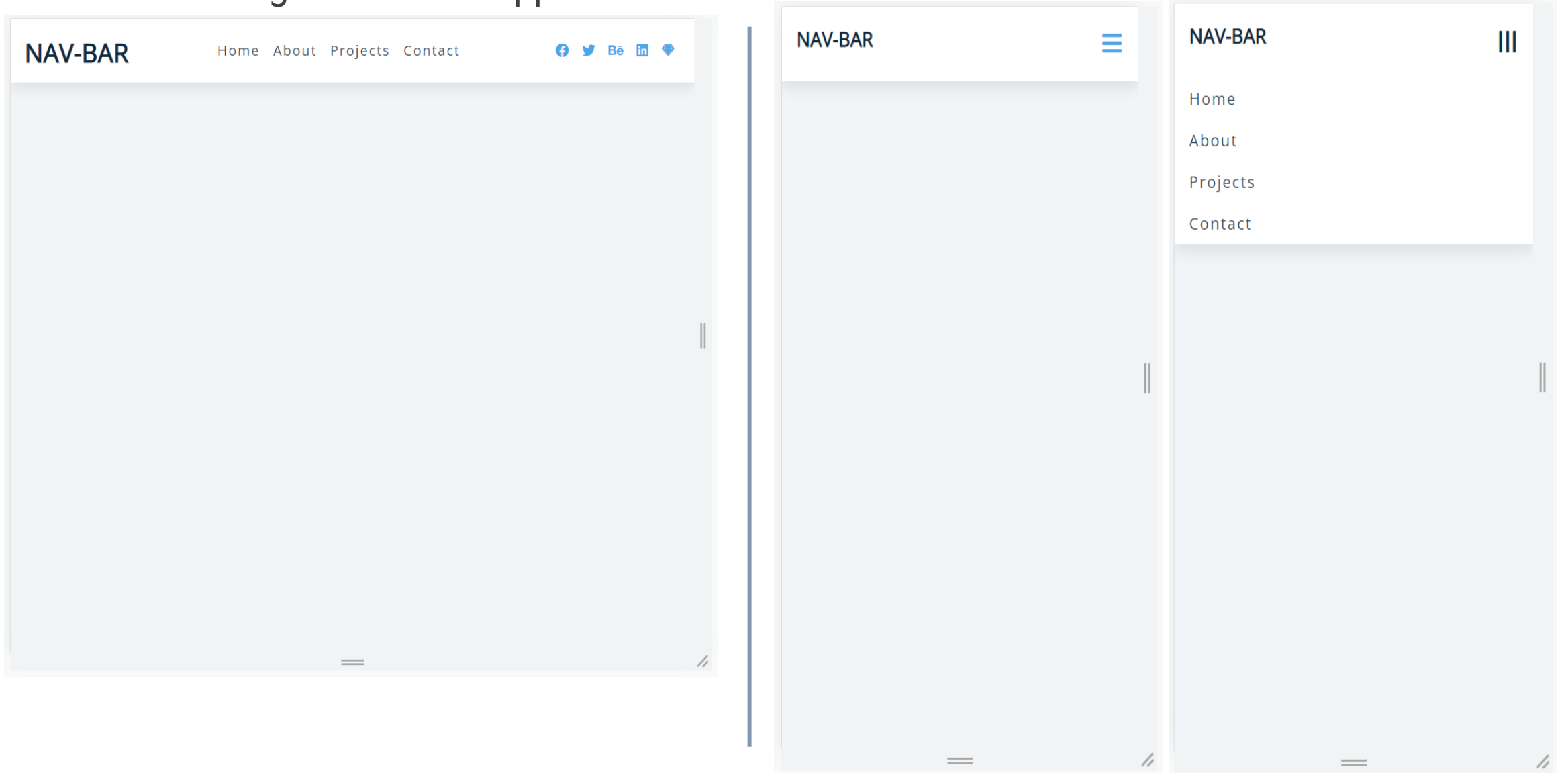☞ You can use both **JavaScript** or **jQuery**

Random color generator

EX2: Build a color generator app with Class/Object concept with local storage


```javascript
class Color {
    colorType = ''
    records = []

    constructor(type) {
        this.colorType = type; // HEX
        // to do
    }

    generate() {
        // to do
    }

    getRandomNumber() {
        // to do
    }

    getRecords() {
        // to do
    }

    reset() {
        // to do
    }
}
```

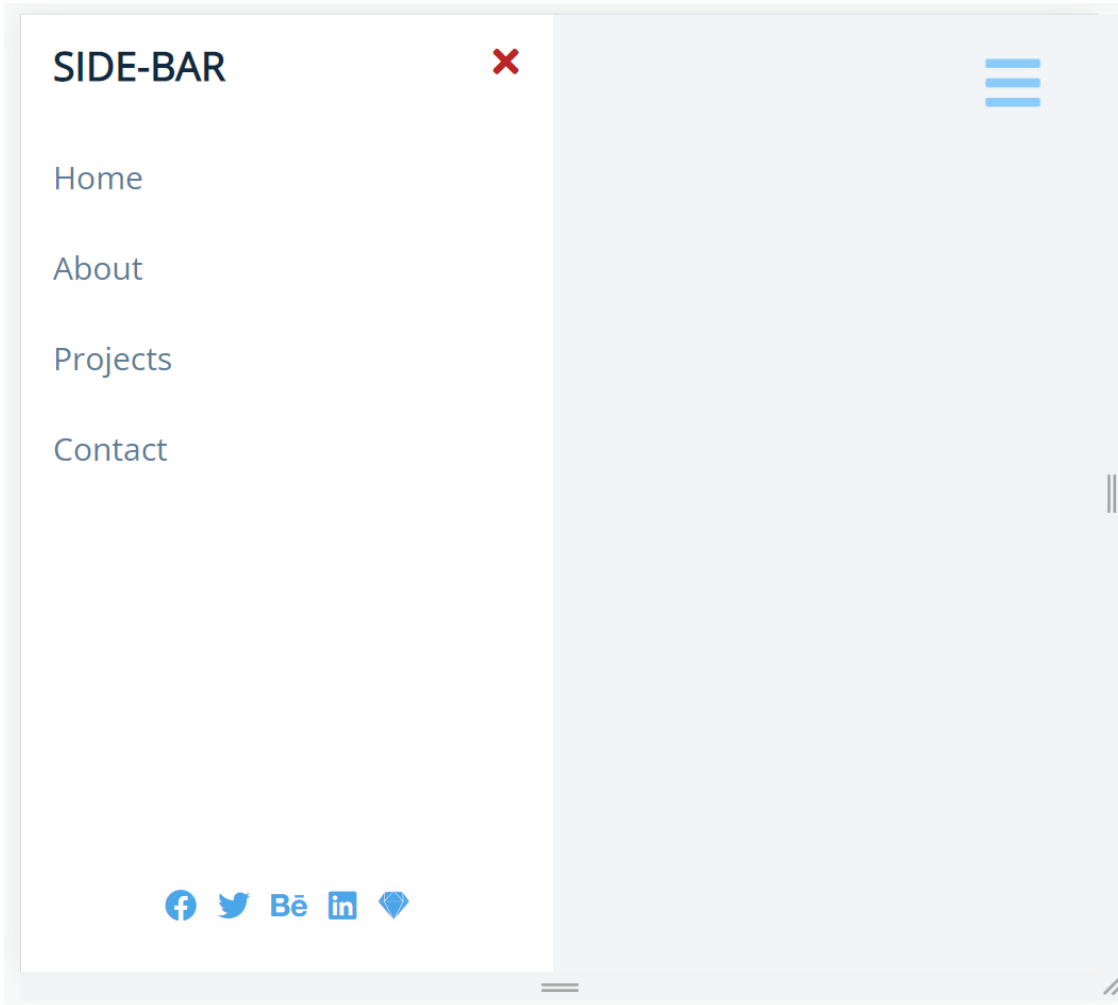👉 You can use both **JavaScript** or **jQuery**   2

Responsive Navigation Bar

EX3: Build a navigation bar to support both wide and mobile screen

Side Bar

Ex4: Build an app with a slide bar

Bootstrap v5

https://getbootstrap.com/docs/5.1/getting-started/introduction/

Getting started

```html
<!doctype html>
<html lang="en">

<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <!-- Bootstrap CSS -->
  <link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
    rel="stylesheet"
    integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
    crossorigin="anonymous">

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

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

  <!-- Optional JavaScript; choose one of the two! -->

  <!-- Option 1: Bootstrap Bundle with Popper -->
  <script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
    crossorigin="anonymous">
  </script>

</body>
</html>
```
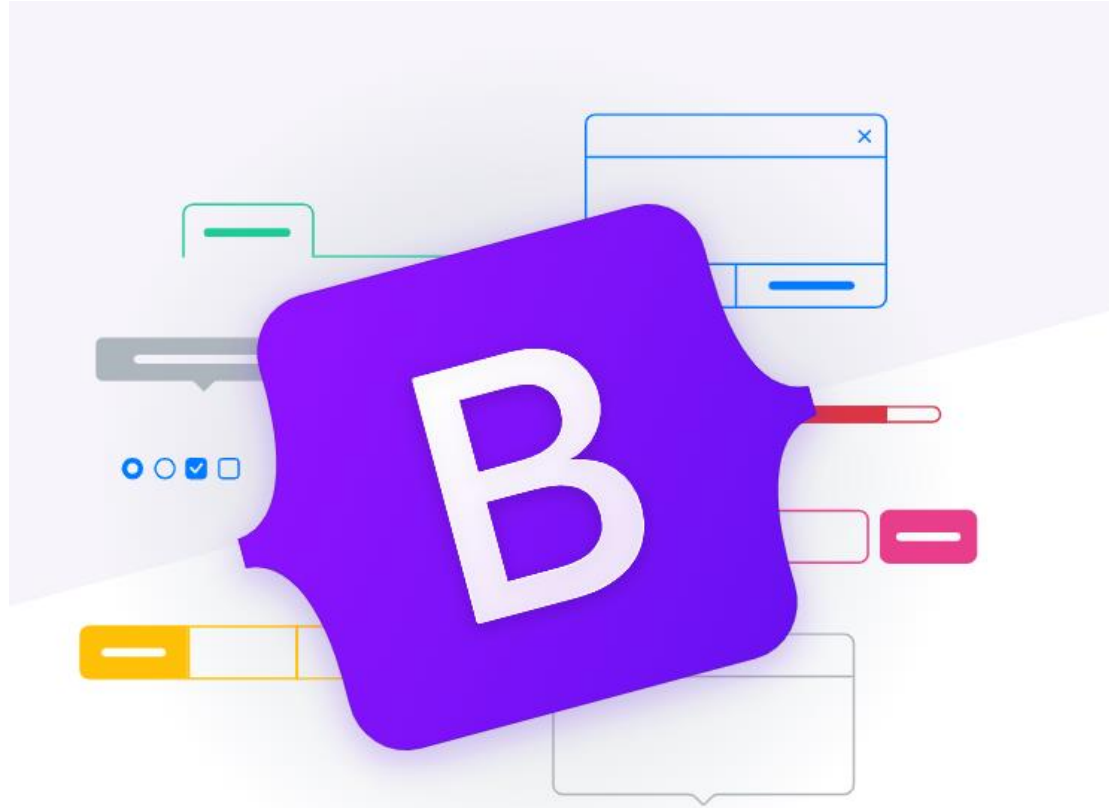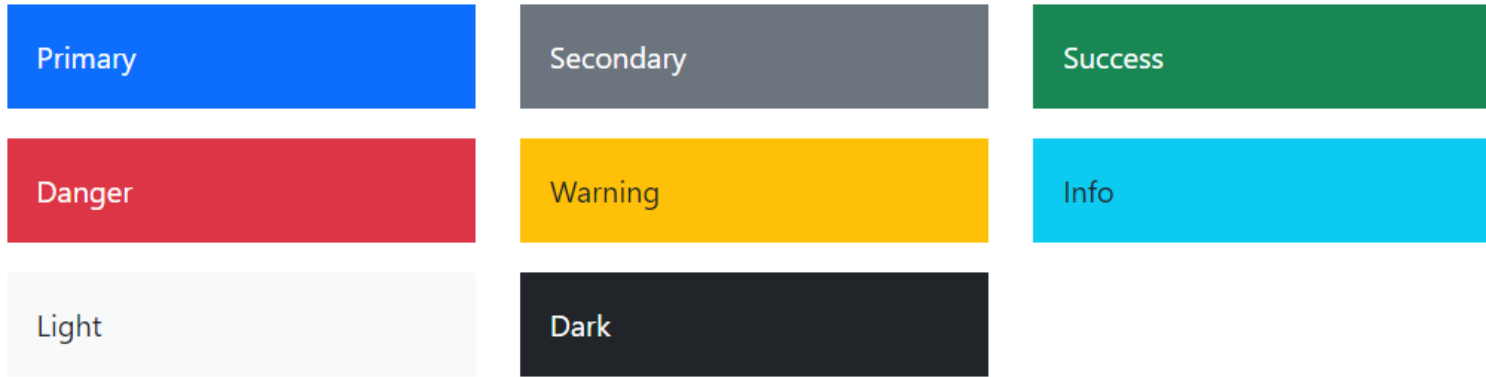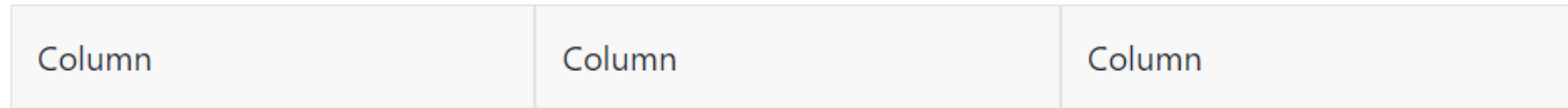
CSS

JS

Theme colors

Primary	**Secondary**	**Success**
Danger	**Warning**	**Info**
Light	**Dark**	

Layout::Grid system

Column	Column	Column

```html
<div class="container">
  <div class="row">
    <div class="col">
      Column
    </div>
    <div class="col">
      Column
    </div>
    <div class="col">
      Column
    </div>
  </div>
</div>
```

Tables

#	First	Last	Handle
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry the Bird		@twitter

#	First	Last	Handle
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry the Bird		@twitter

#	First	Last	Handle
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry the Bird		@twitter

```html
<table class="table">
  <thead>
    <tr>
      <th scope="col">#</th>
      <th scope="col">First</th>
      <th scope="col">Last</th>
      <th scope="col">Handle</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <th scope="row">1</th>
      <td>Mark</td>
      <td>Otto</td>
      <td>@mdo</td>
    </tr>
    <tr>
      <th scope="row">2</th>
      <td>Jacob</td>
      <td>Thornton</td>
      <td>@fat</td>
    </tr>
    <tr>
      <th scope="row">3</th>
      <td colspan="2">Larry the Bird</td>
      <td>@twitter</td>
    </tr>
  </tbody>
</table>
```

Forms

First name

Mark

Last name

Otto

Username

@

City

State

Choose...

Zip

☐ Agree to terms and conditions

Submit form

@ | Username

Recipient's username | @example.com

Your vanity URL

https://example.com/users/

$ | .00

Username | @ | Server

With textarea

Components

A simple primary alert—check it out!

A simple secondary alert—check it out!

A simple success alert—check it out!

99+

Inbox

Primary   Secondary   Success   Danger   Warning   Info   Light   Dark   Link

Left   Middle   Right

An active item

A second item

A third item

A fourth item

And a fifth one

Image cap

Card title

Some quick example text to build on the card title and make up the bulk of the card's content.
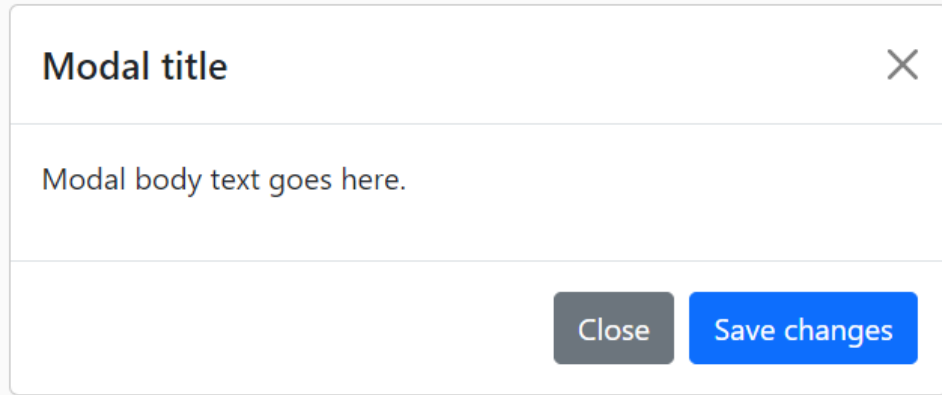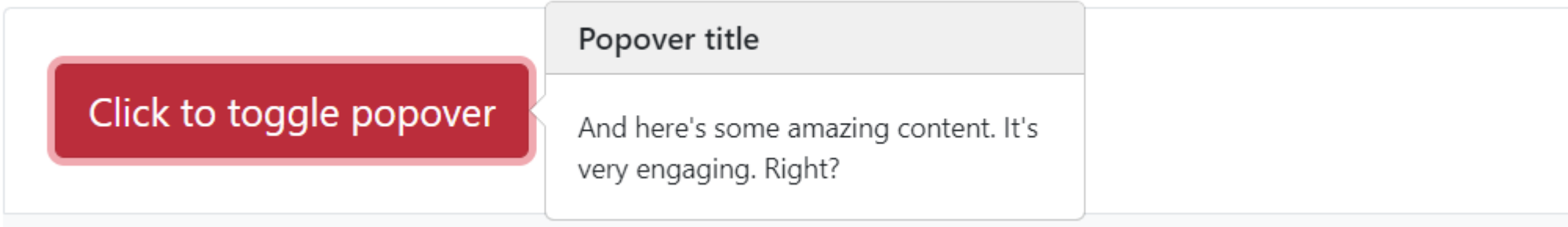
Go somewhere

Dropdown button ▼

Action

Another action

Something else here

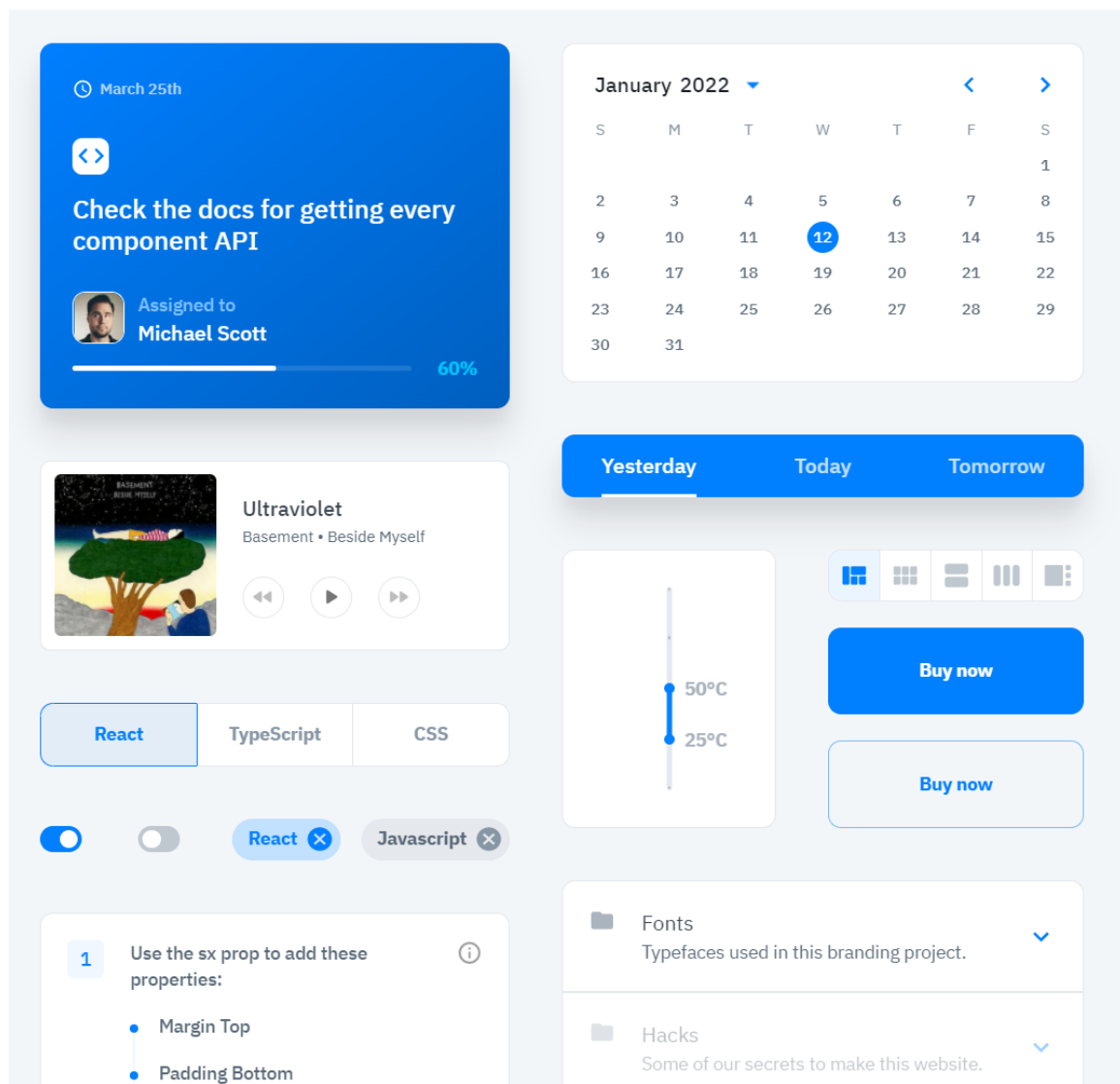n-

</button>

Modals

Modal title   ✕

Modal body text goes here.

Close   Save changes

Popover

Click to toggle popover

Popover title

And here's some amazing content. It's very engaging. Right?

Etc...

https://getbootstrap.com/docs/5.1/getting-started/introduction/

More on Styling

Material-UI

Ant-UI

Good luck 👌