



Information Technology Program
Faculty of Engineering
Udayana University

Web Programming: **Bootstrap**

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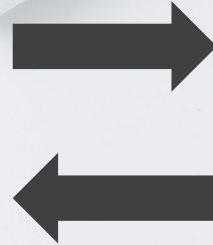
What Bootstrap is



Client Side



Server Side



Web with **Bootstrap**



Simplify basic design coding

Responsive grid system

Powerful JavaScript plugins



Web with **Bootstrap** (2)



Company name

[Features](#) [Enterprise](#) [Support](#) [Pricing](#)

[Sign up](#)

Pricing

Quickly build an effective pricing table for your potential customers with this Bootstrap example. It's built with default Bootstrap components and utilities with little customization.

Free

\$0 / mo

10 users included
2 GB of storage
Email support
Help center access

[Sign up for free](#)

Pro

\$15 / mo

20 users included
10 GB of storage
Priority email support
Help center access

[Get started](#)

Enterprise

\$29 / mo

30 users included
15 GB of storage
Phone and email support
Help center access

[Contact us](#)



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Features

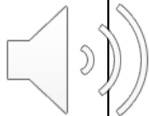
Cool stuff
Random feature
Team feature
Stuff for developers
Another one
Last time

Resources

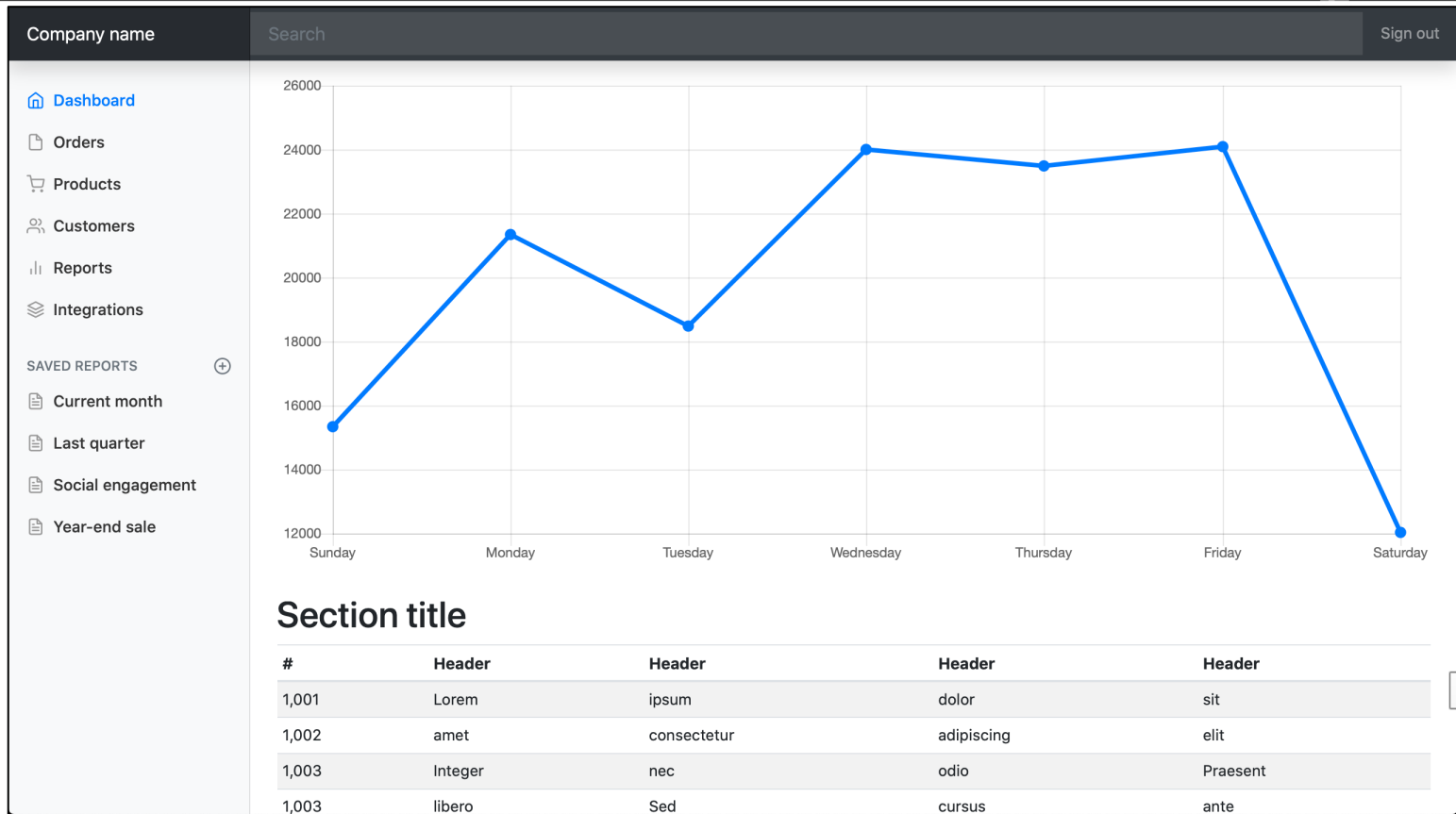
Resource
Resource name
Another resource
Final resource

About

Team
Locations
Privacy
Terms



Web with Bootstrap (3)





What is Bootstrap?

“free and open-source
CSS framework directed
at responsive, mobile-first
front-end web
development”

Logo Link 1 Link 2 Dropdown link ▾

Navbar With

This example adds a dropdown menu in the navbar.

Link 1

Link 2

```
<html>
<head>
  <script src="jquery-3.2.1.min.js"></script>
  <script src="bootstrap-4.5.3-dist/js/bootstrap.min.js">
</script>
  <link href="bootstrap-4.5.3-dist/css/bootstrap.min.css"
    rel="stylesheet" type="text/css">
</head>
<body>
  <nav class="navbar navbar-expand-sm bg-info navbar-
dark">
    <!-- Brand -->
    <a class="navbar-brand" href="#">Logo</a>

    <!-- Links -->
    <ul class="navbar-nav">
      <li class="nav-item">
        <a class="nav-link" href="#">Link 1</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#">Link 2</a>
      </li>
    </ul>
  </nav>
</body>
</html>
```





How to Use Bootstrap





Build fast, responsive sites with Bootstrap

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.



[Get started](#)

[Download](#)

Currently v4.5.3



Students and Teachers,
save up to 60% on Adobe
Creative Cloud.

ads via Carbon



Attach Bootstrap to Your HTML Documents



Option #1

Use online resources

```
1 ▼ <html>
2 ▼   <head>|
3       <!-- CSS -->
4       <link rel="stylesheet"
5         href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
6         integrity="sha384-
7         TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2"
8         crossorigin="anonymous">
9
10      <!-- jQuery and JS bundle w/ Popper.js -->
11      <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
12      DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
13      crossorigin="anonymous"></script>
14
15      <script
16        src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.bundle.min.js"
17        integrity="sha384-
18        ho+j7jyWK8fNQe+A12Hb8AhRq26LrZ/JpcUGGOn+Y7RsweNrtN/tE3MoK7ZeZDyx"
19        crossorigin="anonymous"></script>
20
21      <link href="contoh.css" rel="stylesheet" type="text/css">
22    </head>
23  <body>
```



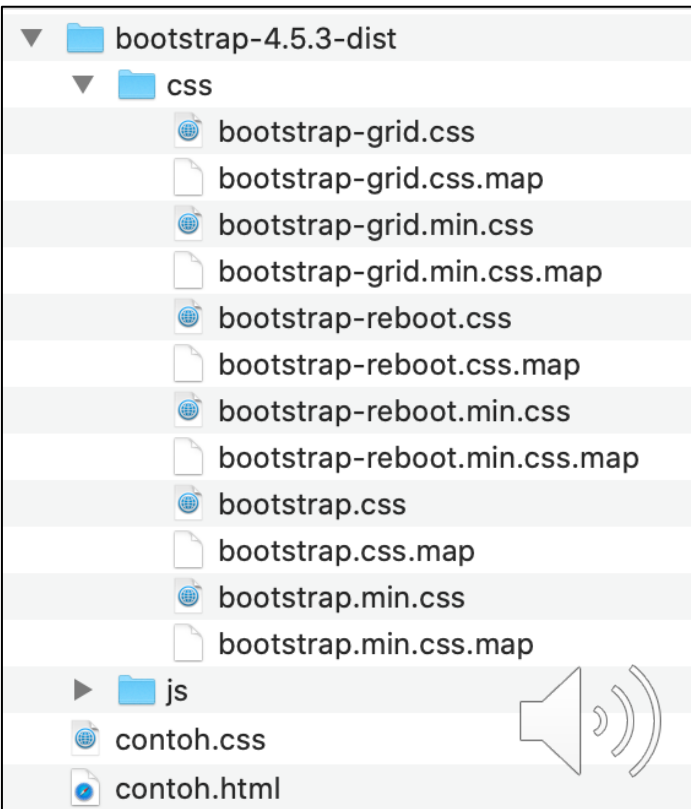
Attach Bootstrap to Your HTML Documents



Option #2

Download bootstrap resources

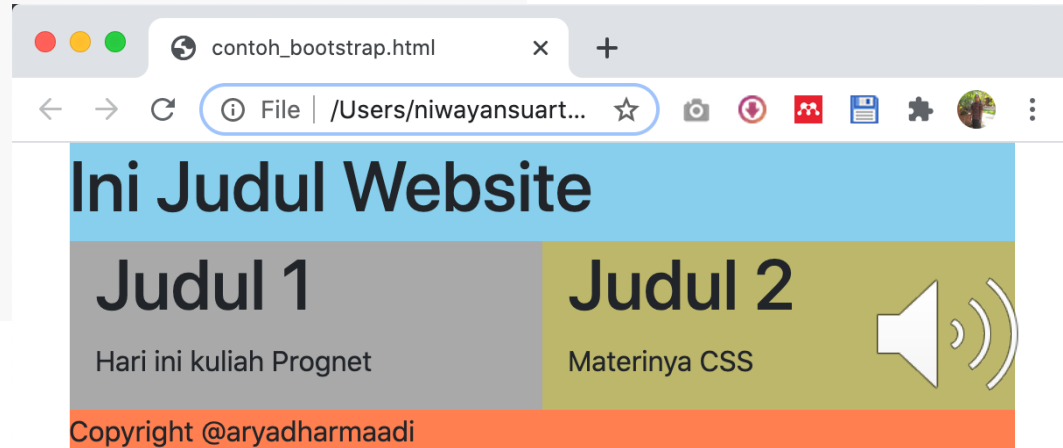
```
1 <html>
2   <head>
3     <link href="bootstrap-4.5.3-
      dist/css/bootstrap.min.css"
      rel="stylesheet" type="text/css">
4
5     <link href="contoh.css"
      rel="stylesheet" type="text/css">
6   </head>
7   <body>
```



1. Bootstrap Layout



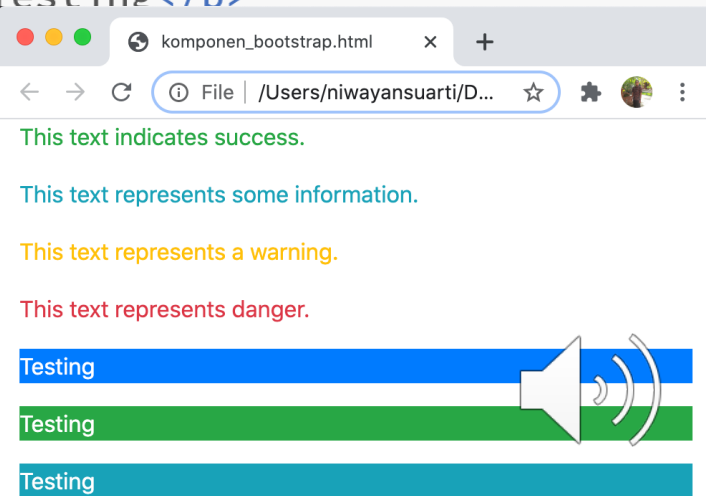
```
9 <body>
10   <div class="container" style="background-color: coral">
11     <div class="row" style="background-color: #87ceeb">
12       <h1>Ini Judul Website</h1>
13     </div>
14     <div class="row" style="background-color: darkcyan">
15       <div class="col" style="background-color: darkgray">
16         <h1>Judul 1</h1>
17         <p>Hari ini kuliah Prognosis</p>
18       </div>
19       <div class="col" style="background-color: darkkhaki">
20         <h1>Judul 2</h1>
21         <p>Materinya CSS</p>
22       </div>
23     </div>
24     <div class="row">
25       Copyright @aryadharmaadi
26     </div>
27   </div>
28 </body>
```



2. Bootstrap Text Color



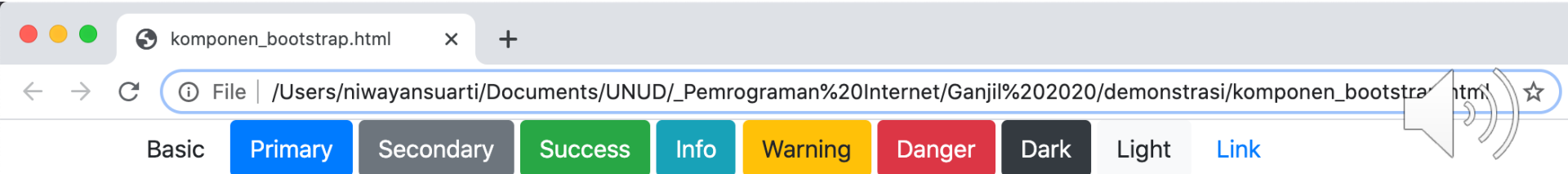
```
9 <body>
10 <div class="container">
11   <p class="text-success">This text indicates success.</p>
12   <p class="text-info">This text represents some information.</p>
13   <p class="text-warning">This text represents a warning.</p>
14   <p class="text-danger">This text represents danger.</p>
15   <p class="bg-primary text-white">Testing</p>
16   <p class="bg-success text-white">Testing</p>
17   <p class="bg-info text-white">Testing</p>
18 </div>
19 </body>
```



3. Bootstrap Button



```
9  <body>
10  <div class="container">
11    <button type="button" class="btn">Basic</button>
12    <button type="button" class="btn btn-primary">Primary</button>
13    <button type="button" class="btn btn-secondary">Secondary</button>
14    <button type="button" class="btn btn-success">Success</button>
15    <button type="button" class="btn btn-info">Info</button>
16    <button type="button" class="btn btn-warning">Warning</button>
17    <button type="button" class="btn btn-danger">Danger</button>
18    <button type="button" class="btn btn-dark">Dark</button>
19    <button type="button" class="btn btn-light">Light</button>
20    <button type="button" class="btn btn-link">Link</button>
21  </div>
22 </body>
```



4. Bootstrap Form

komponen_bootstrap.html

File | /Users/niwayansuarti/...

Email:

Password:

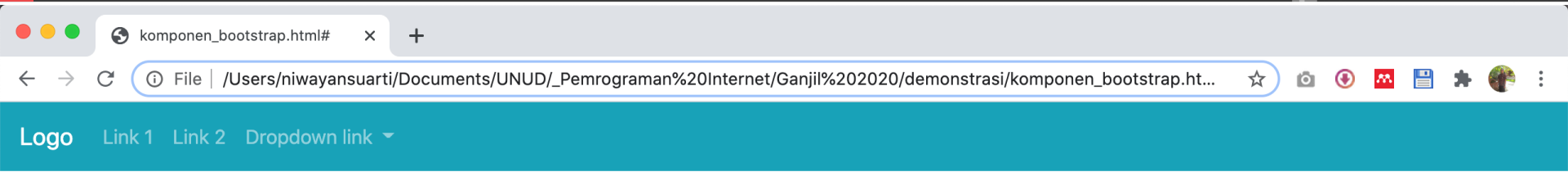
☐ Remember me

Submit

```
9 <body>
10 <div class="container">
11 <form>
12 <div class="form-group">
13   <label for="email">Email:</label>
14   <input type="email" class="form-control"
      id="email" placeholder="Enter email"
      name="email">
15 </div>
16
17 <div class="form-group">
18   <label for="pwd">Password:</label>
19   <input type="password" class="form-control"
      id="pwd" placeholder="Enter password"
      name="pswd">
20 </div>
21
22 <div class="form-group form-check">
23   <label class="form-check-label">
24     <input class="form-check-input"
        type="checkbox" name="remember"> Remember
        me
25   </label>
26 </div>
27
28 <button type="submit" class="btn btn-
    primary">Submit</button>
29 </form>
30 </div>
31 </body>
```



5. Bootstrap Nav



Navbar With Dropdown

This example adds a dropdown menu in the navbar.



```
<nav class="navbar navbar-expand-sm bg-info navbar-dark">
  <!-- Brand -->
  <a class="navbar-brand" href="#">Logo</a>

  <!-- Links -->
  <ul class="navbar-nav">
    <li class="nav-item">
      <a class="nav-link" href="#">Link 1</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Link 2</a>
    </li>

    <!-- Dropdown -->
    <li class="nav-item dropdown">
      <a class="nav-link dropdown-toggle" href="#" id="navbardrop" data-
toggle="dropdown">
        Dropdown link
      </a>
      <div class="dropdown-menu">
        <a class="dropdown-item" href="#">Link 1</a>
        <a class="dropdown-item" href="#">Link 2</a>
      </div>
    </li>
  </ul>
</nav>
```



6. Bootstrap Icon



```
<div class="container">
  <h1>My Icons <i class="fas fa-heart"></i></h1>
  <p>An icon along with some text: <i class="fas fa-thumbs-up"></i></p>
</div>
```

```
<div class="container">
  <p>Others:</p>
  <i class="fas fa-cloud"></i>
  <i class="fas fa-coffee"></i>
  <i class="fas fa-car"></i>
  <i class="fas fa-file"></i>
  <i class="fas fa-bars"></i>
</div>
```

My Icons 

An icon along with some text: 

Others:



Discussion



Any Question?



REFERENCES



<https://www.w3schools.com/bootstrap4/>

<https://getbootstrap.com>

