

# Bootstrap

- Bootstrap is a sleek, intuitive, and powerful, mobile first front-end framework for faster and easier web development. It uses HTML, CSS and Javascript.

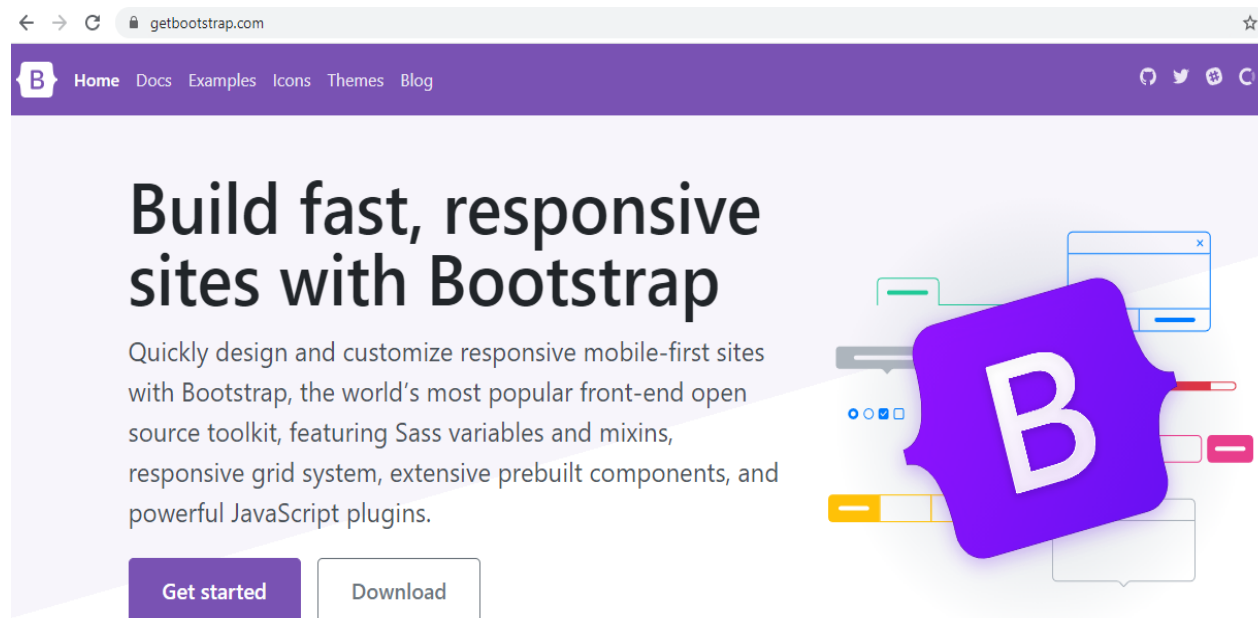
## WHY?

1. **Mobile first approach** – Bootstrap 3, framework consists of Mobile first styles throughout the entire library instead of in separate files.
2. **Browser Support.**
3. **Responsive Design.**
4. **Easy to get started.**

# Bootstrap

Twitter Bootstrap is a popular UI framework

<https://getbootstrap.com/docs/5.0/getting-started/introduction/>



# Features

- CSS resetting for cross browser compatibility
- Grid scaffolding for design
- Multi-screen support (responsive design)
- “Mobile first”, like jQuery Mobile
- **And a really good looking UI framework**

# Features

- JavaScript plugins
  - Dialogs
  - Tabs
  - Alerts
  - Carousel
  - Tooltips
  - ... and more.

# How to add Twitter Bootstrap

**You should use a CDN (content delivery network) for loading resources.**

<http://www.bootstrapcdn.com/>

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page title</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css"
    rel="stylesheet">
    <script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.bundle.min.js"></script>
    <meta name="viewport" content="width=device-width, initial-scale=1">
  </head>
  <body>
    <!-- page content goes here -->
  </body>
</html>
```

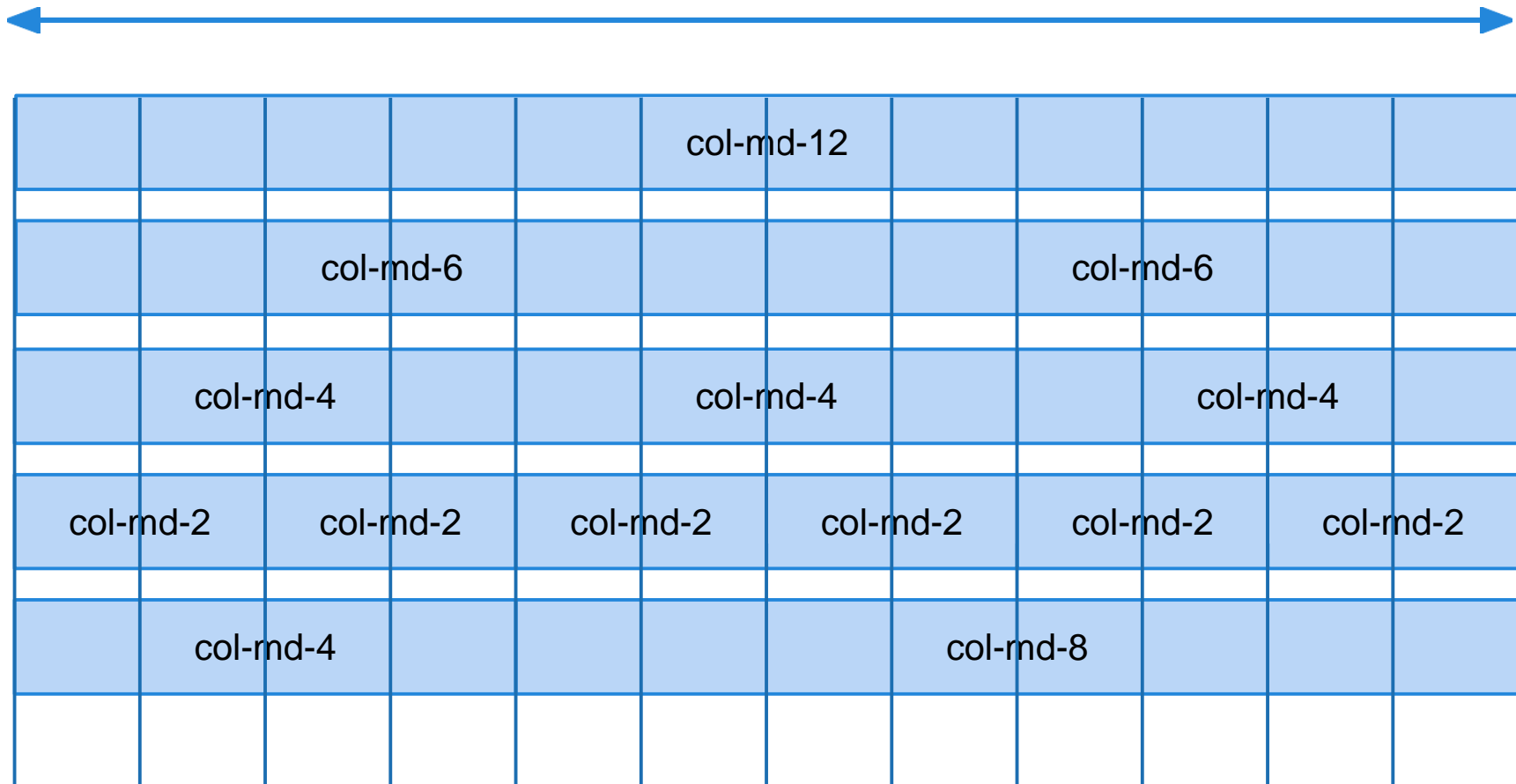
# What are those lines?

We use a shared CDN because chances are that common files are most likely already cached in the user's computer.

1. The `<link>` tag loads the CSS - the actual bootstrap styling. This is obviously the most important
2. The `<script>` tag loads additional JavaScript capabilities of the Bootstrap framework
3. The `<meta>` tag is for smaller devices which have a viewport, and it disables zooming so that the responsive features of Bootstrap will kick in

# The grid layout

# 12 column row



## The grid (cont.)

How to write pages using a grid:

```
<!-- every row must have 12 columns -->  
<div class="row">  
  <div class="col-md-4">  
    <!-- content -->  
  </div>  
  <!-- need to complete 8 more columns -->  
</div>
```



## The grid (cont.)

Bootstrap 3 features an always-responsive grid with a maximum size:

1. `col-xs-[num]` grids have no maximum size (fluid)
2. `col-sm-[num]` grids resize up to 750px
3. `col-md-[num]` grids resize up to 970px
4. `col-lg-[num]` grids resize up to 1170px

You should choose `col-md` or `col-lg` for desktop sites.

## The grid (cont.)

You can also use two grid sizes for different screen sizes:

```
<div class="row">  
  <div class="col-md-4 col-xs-6">  
    <!-- content -->  
  </div>  
  <div class="col-md-8 col-xs-6">  
    <!-- content -->  
  </div>  
</div>
```

# Tables

```
<table class="table">
  <thead>
    <th><td>Name</td><td>Age</td></th>
  </thead>
  <tbody>
    <tr><td>Alice</td><td>20</td></tr>
    <tr><td>Bob</td><td>25</td></tr>
  </tbody>
</table>
```

# Forms

```
<form role="form">
  <div class="form-group">
    <label for="exampleInputEmail1">Email address</label>
    <input type="email" class="form-control" id="
exampleInputEmail1" placeholder="Enter email">
  </div>
  <div class="form-group">
    <label for="exampleInputPassword1">Password</label>
    <input type="password" class="form-control" id="
exampleInputPassword1" placeholder="Password">
  </div>
  <button type="submit" class="btn btn-default">Submit</button>
</form>
```

# Buttons

Buttons can either be button elements, links or input elements. They will all look like buttons.

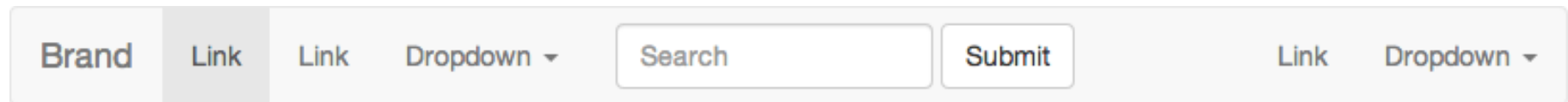
- For simple links, use the `<a>` element and add button styling if needed.
- For forms or dynamic buttons, use the button element.

```
<button class="btn btn-primary">Primary</button>
```

```
<a href="#" class="btn btn-primary">Primary</a>
```

```
<input type="submit" class="btn btn-primary"/>
```

# Bootstrap elements



- Dropdowns
- Tabs
- Pills
- Navbars
- Alerts
- Lists



Check out the Bootstrap reference for more:

<http://getbootstrap.com/components/>

## Font icons

To insert a user icon to a button, use the following syntax inline with any text:

```
<span class="glyphicon glyphicon-user"></span>
```

For example, for a button with a star:

```
<button type="button" class="btn btn-default btn-lg">  
  <span class="glyphicon glyphicon-star"></span> Star  
</button>
```

Thanks!

Github: - <https://github.com/targetedtec>