

Integrate Angular with Bootstrap



Let's Make our Page Beautiful

Before

Sales Team

First Name	Last Name	Email	Sales Volume
Anup	Kumar	anup.kumar@luv2code.com	50000
John	Doe	john.doe@luv2code.com	40000
Claire	Murphy	claire.murphy@luv2code.com	90000
Mai	Truong	mai.truong@luv2code.com	60000

After

Sales Team

First Name	Last Name	Email	Sales Volume
Anup	Kumar	anup.kumar@luv2code.com	50000
John	Doe	john.doe@luv2code.com	40000
Claire	Murphy	claire.murphy@luv2code.com	90000
Mai	Truong	mai.truong@luv2code.com	60000

Bootstrap

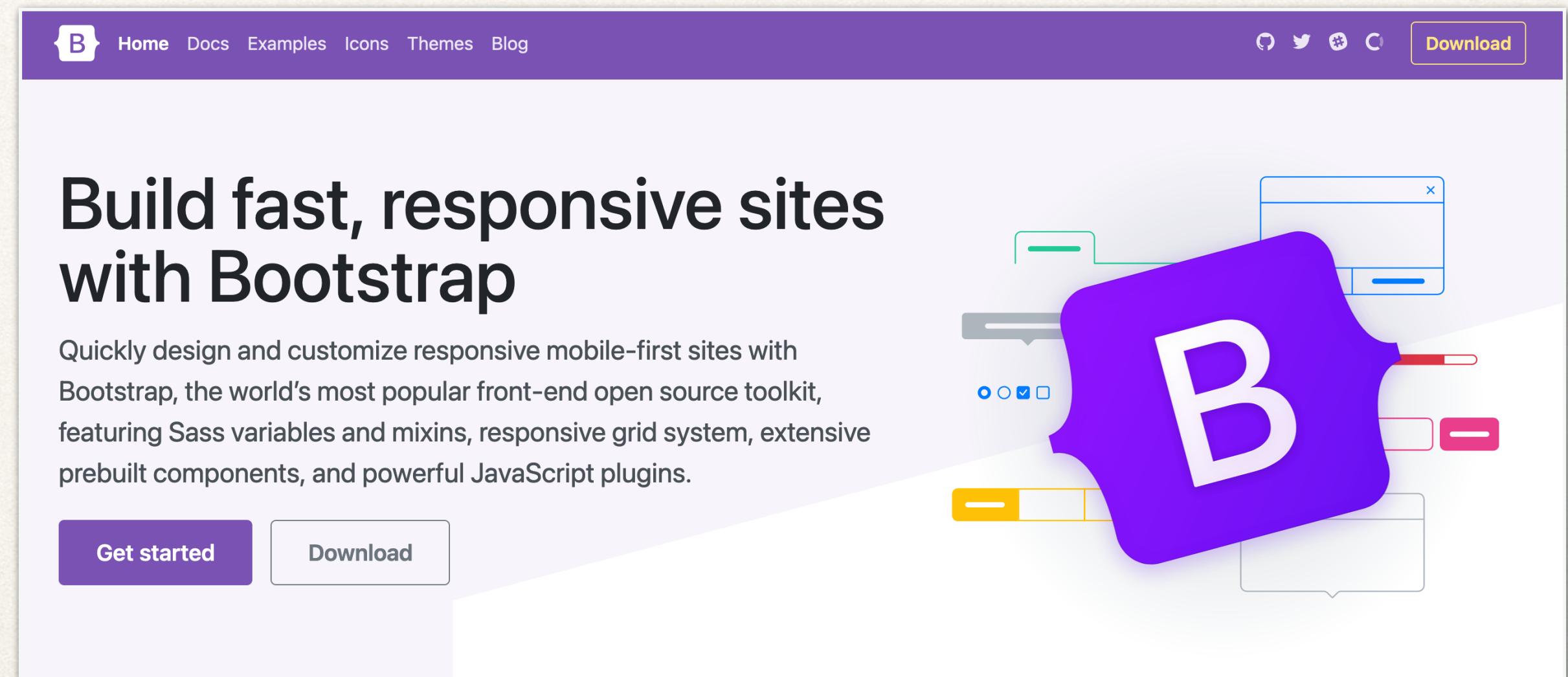
Development Process

Step-By-Step

1. Get links for remote Bootstrap files
2. Add links to index.html
3. Apply Bootstrap CSS styles in component HTML template
4. Apply Bootstrap CSS styles in component HTML table
5. Update TypeScript component file to reference Bootstrap HTML template

Step 1: Get links for remote Bootstrap files

- Visit Bootstrap website: www.getbootstrap.com
- Website has instructions on how to **Get Started**



Step 2: Add links in index.html

```
<head>
...
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@x.y.z/dist/css/bootstrap.min.css" ...>
...
</head>
```

Version number

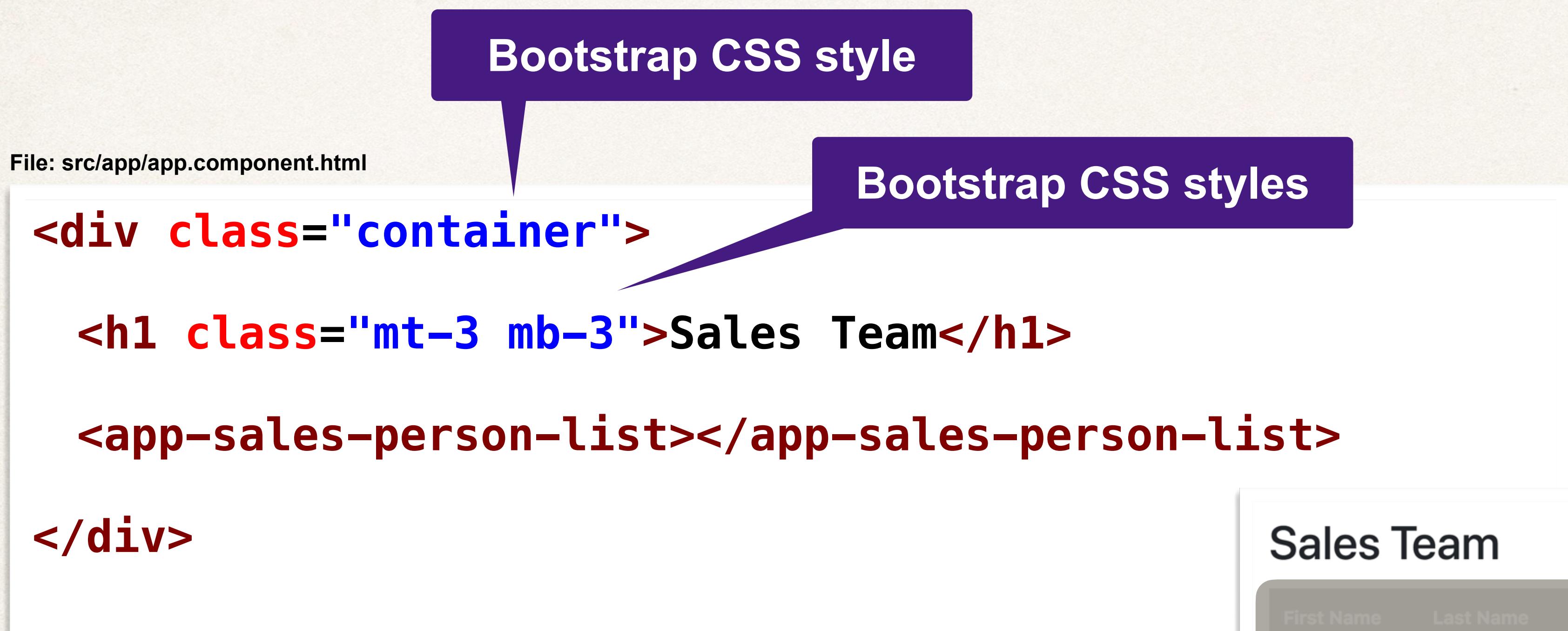
Step 3: Apply CSS in Component HTML template

File: src/app/app.component.html

```
<div class="container">  
  <h1 class="mt-3 mb-3">Sales Team</h1>  
  
  <app-sales-person-list></app-sales-person-list>  
  
</div>
```

Bootstrap CSS style

Bootstrap CSS styles



Sales Team

First Name	Last Name	Email	Sales Volume
Anup	Kumar	anup.kumar@luv2code.com	50000
John	Doe	john.doe@luv2code.com	40000
Claire	Murphy	claire.murphy@luv2code.com	90000
Mai	Truong	mai.truong@luv2code.com	60000

The diagram illustrates the application of Bootstrap CSS styles. A callout bubble labeled "Bootstrap CSS style" points to the "container" class in the HTML code. Another callout bubble labeled "Bootstrap CSS styles" points to the "mt-3" and "mb-3" classes applied to the

element. The resulting UI is shown on the right, featuring a centered "Sales Team" header and a table listing four sales personnel with their names, emails, and sales volumes.

Step 4: Apply CSS in Component HTML Table

File: src/app/sales-person-list/sales-person-list-bootstrap.component.html

```
<table class="table table-hover">

  <thead class="table-dark">
    <tr>
      <th>First Name</th>
      <th>Last Name</th>
      <th>Email</th>
      <th>Sales Volume</th>
    </tr>
  </thead>

  <tbody>
    ...
  </tbody>
</table>
```

Step 4: Apply CSS in Component HTML Table

File: src/app/sales-person-list/sales-person-list-bootstrap.component.html

```
<table class="table table-hover">  
  <thead class="table-dark">  
    <tr>  
      <th>First Name</th>  
      <th>Last Name</th>  
      <th>Email</th>  
      <th>Sales Volume</th>  
    </tr>  
  </thead>  
  
  <tbody>  
    ...  
  </tbody>  
</table>
```

New file:

Copied our original file and renamed it: *-bootstrap.*

We could have used any name

Step 4: Apply CSS in Component HTML Table

File: src/app/sales-person-list/sales-person-list-bootstrap.component.html

```
<table class="table table-hover">  
  
  <thead class="table-dark">  
    <tr>  
      <th>First Name</th>  
      <th>Last Name</th>  
      <th>Email</th>  
      <th>Sales Volume</th>  
    </tr>  
  </thead>  
  
  <tbody>  
    ...  
  </tbody>  
</table>
```

Bootstrap CSS styles

First Name	Last Name	Email	Sales Volume
Anup	Kumar	anup.kumar@luv2code.com	50000
John	Doe	john.doe@luv2code.com	40000
Claire	Murphy	claire.murphy@luv2code.com	90000
Mai	Truong	mai.truong@luv2code.com	60000

Step 5: Update TypeScript component file

File: src/app/sales-person-list/sales-person-list-bootstrap.component.html

```
<table class="table table-hover">

  <thead class="table-dark">
    <tr>
      <th>First Name</th>
      <th>Last Name</th>
      <th>Email</th>
      <th>Sales Volume</th>
    </tr>
  </thead>
  ...
</table>
```

Our file from Step 4

Step 5: Update TypeScript component file

File: src/app/sales-person-list/sales-person-list.component.ts

```
import { Component, OnInit } from '@angular/core';

@Component({
  selector: 'app-sales-person-list',
  templateUrl: './sales-person-list-bootstrap.component.html',
  styleUrls: ['./sales-person-list.component.css']
})
export class SalesPersonListComponent implements OnInit {
```

....

}

First Name	Last Name	Email	Sales Volume
Anup	Kumar	anup.kumar@luv2code.com	50000
John	Doe	john.doe@luv2code.com	40000
Claire	Murphy	claire.murphy@luv2code.com	90000
Mai	Truong	mai.truong@luv2code.com	60000

File: src/app/sales-person-list/sales-person-list-bootstrap.component.html

```
<table class="table table-hover">

  <thead class="table-dark">
    <tr>
      <th>First Name</th>
      <th>Last Name</th>
      <th>Email</th>
      <th>Sales Volume</th>
    </tr>
  </thead>
  ....
</table>
```