

Integrate Angular with Bootstrap



Let's Make our Page Beautiful

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

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

Development Process

Step-By-Step

1. Get links for remote Bootstrap files

Development Process

Step-By-Step

1. Get links for remote Bootstrap files
2. Add links to index.html

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

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

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

Step 1: Get links for remote Bootstrap files

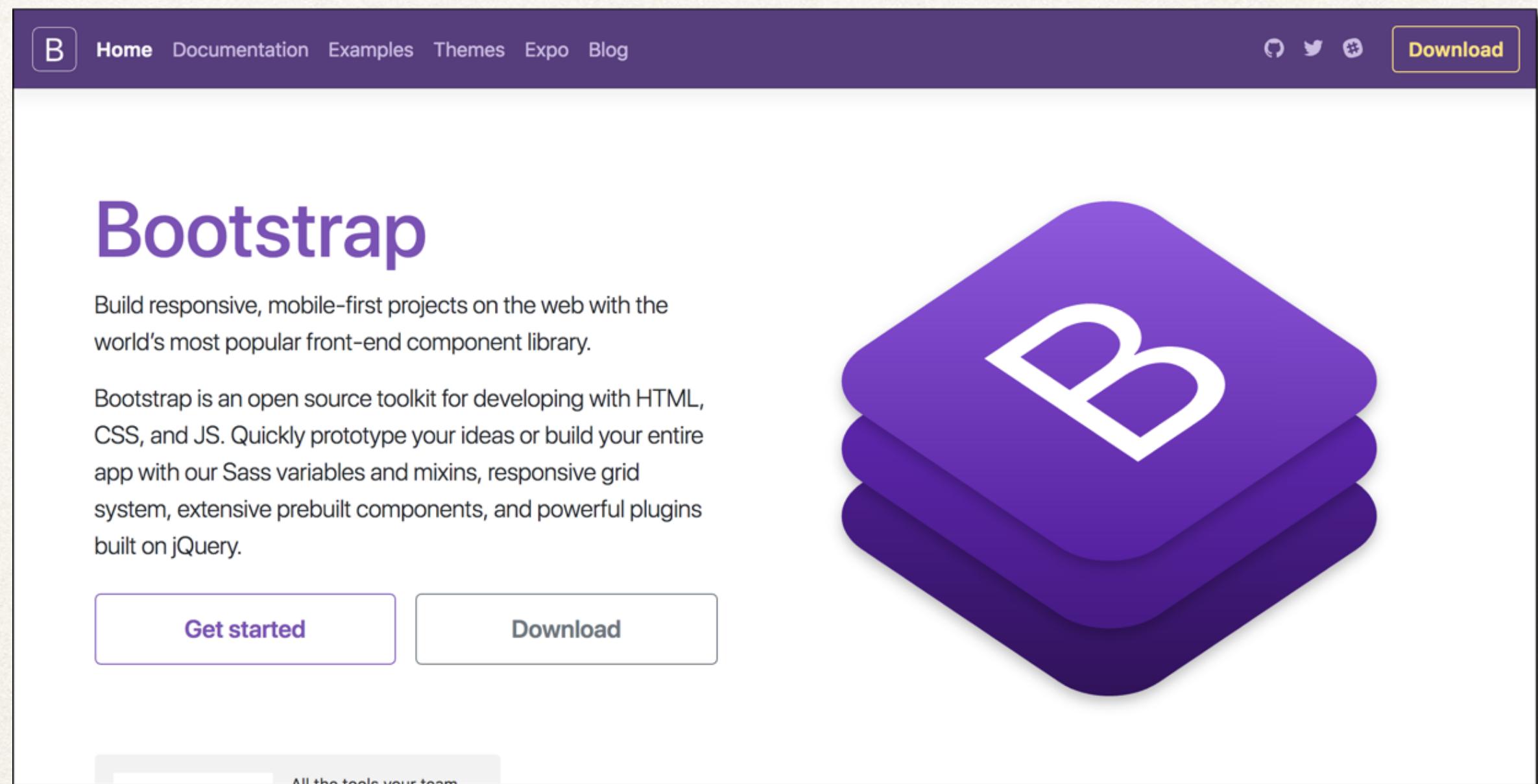
- Visit Bootstrap website: **www.getbootstrap.com**

Step 1: Get links for remote Bootstrap files

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

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

Step 2: Add links in index.html

```
<head>
...
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/x.y.z/css/bootstrap.min.css" ...>
...
</head>
```

Step 2: Add links in index.html

```
<head>
...
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/x.y.z/css/bootstrap.min.css" ...>
...
</head>
```

Version number

Step 3: Apply CSS in Component HTML template

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>
```

Step 3: Apply CSS in Component HTML template

Bootstrap CSS style

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>
```

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



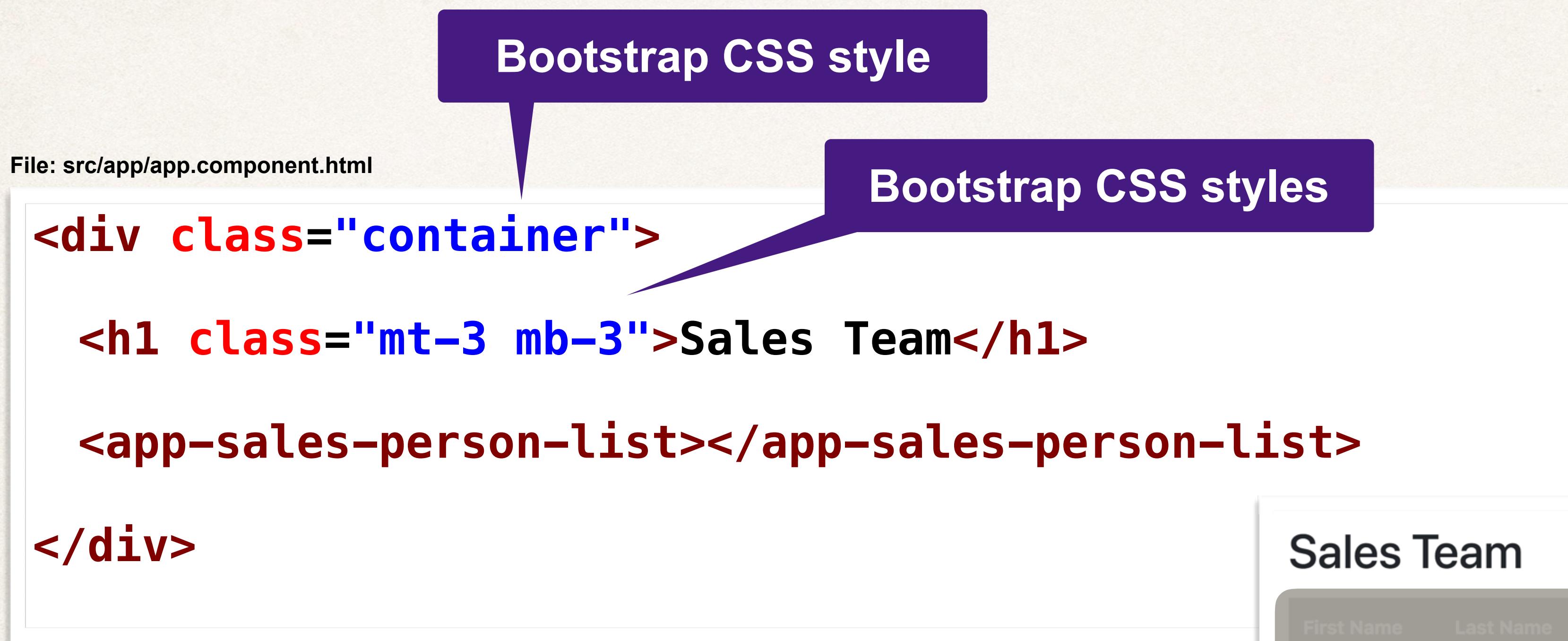
Step 3: Apply CSS in Component HTML template

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 screenshot shows the component's rendered output. The container div is styled with a dark grey background and white text. The h1 title is centered with a margin of 15px top and bottom. The app-sales-person-list component is a table with a light grey header and white text, listing four sales team members with their first names, last 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="thead-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="thead">  
    <tr>  
      <th>First Name</th>  
      <th>Last Name</th>  
      <th>Email</th>  
      <th>Sales Quota</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="thead-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

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="thead-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

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

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="thead">  
    <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-bootstrap.component.html

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

  ...
}


```

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

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

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

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 {

  ...
}

}
```

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

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

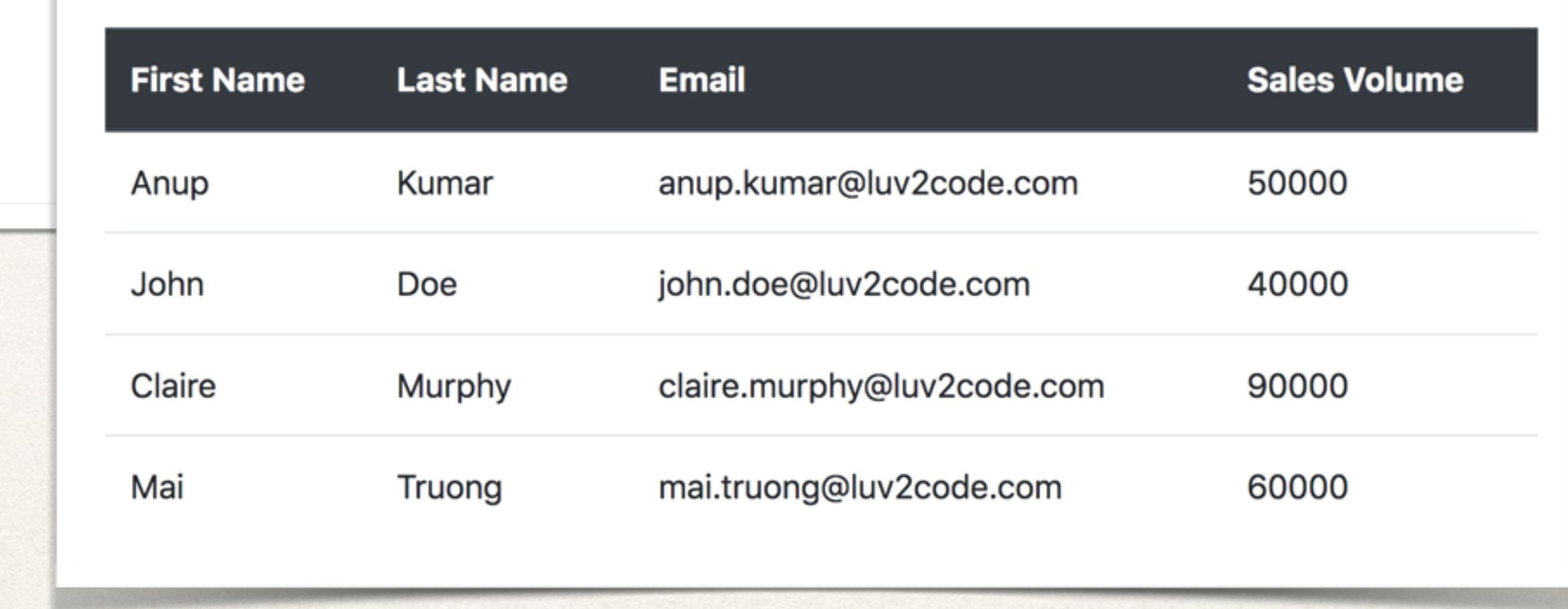
  <thead class="thead-dark">
    <tr>
      <th>First Name</th>
      <th>Last Name</th>
      <th>Email</th>
      <th>Sales Volume</th>
    </tr>
  </thead>
  ...
</table>
```

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