

Installing Bootstrap and Styling Your Angular Application

Step 1: Create a New Angular Project

First, ensure you have the Angular CLI installed. If not, install it using:

```
npm install -g @angular/cli
```

Create a new Angular project:

```
ng new my-angular-app  
cd my-angular-app
```

Step 2: Install Bootstrap

Install Bootstrap and its dependencies using npm:

```
npm install bootstrap@5.1.0
```

Step 3: Add Bootstrap to Angular

To use Bootstrap in your Angular project, you need to include its CSS in your project. Open `angular.json` and find the `styles` array inside the build options. Add the path to the Bootstrap CSS file:

```
"styles": [  
  "node_modules/bootstrap/dist/css/bootstrap.min.css",  
  "src/styles.css"  
],  
"scripts": [  
  "node_modules/bootstrap/dist/js/bootstrap.bundle.min.js"  
]
```

Step 4: Verify Bootstrap Installation

To verify the Bootstrap installation, open `src/app/app.component.html` and add some Bootstrap classes to the existing HTML:

```
<div class="container mt-5">  
  <h1 class="text-primary">Hello, Bootstrap in Angular!</h1>  
  <button class="btn btn-success">Click Me</button>  
</div>
```

Run your Angular application using:

ng serve

Open your browser and navigate to <http://localhost:4200>. You should see the Bootstrap-styled components.

Step 5: Customizing Bootstrap Styles

You can customize Bootstrap styles by overriding them in your `src/styles.css` file. For example:

```
/* src/styles.css */
body {
  background-color: #f8f9fa;
}

.btn-success {
  background-color: #28a745;
  border-color: #28a745;
}

.text-primary {
  color: #007bff !important;
}
```

Step 6: Using Bootstrap Components

You can use various Bootstrap components in your Angular templates. For example, adding a Bootstrap navbar:

```
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <a class="navbar-brand" href="#">Navbar</a>
  <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle
navigation">
    <span class="navbar-toggler-icon"></span>
  </button>
  <div class="collapse navbar-collapse" id="navbarNav">
    <ul class="navbar-nav">
      <li class="nav-item active">
        <a class="nav-link" href="#">Home <span class="sr-only">(current)</span></a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#">Features</a>
      </li>
    </ul>
  </div>
</nav>
```

```
</li>
<li class="nav-item">
  <a class="nav-link" href="#">Pricing</a>
</li>
<li class="nav-item">
  <a class="nav-link disabled" href="#">Disabled</a>
</li>
</ul>
</div>
</nav>
<div class="container mt-5">
  <h1 class="text-primary">Hello, Bootstrap in Angular!</h1>
  <button class="btn btn-success">Click Me</button>
</div>
```