Angular 15 : Online Class

Angular Material - install and use

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Angular Material

Angular Material is a UI component library for Angular developers. Angular Material's reusable UI components help in constructing attractive, consistent, and functional web pages and web applications while adhering to modern web design principles like browser portability, device independence, and graceful degradation.

Optimized for Angular

Built by the Angular team to integrate seamlessly with Angular.

Responsive Design

Angular Material is by design very minimal and flat.

It is designed considering the fact that it is much easier to add new CSS rules than to overwrite existing CSS rules.

It supports shadows and bold colors.

The colors and shades remain uniform across various platforms and devices.

Extensible

Angular Material has in-built responsive designing so that the website created using Angular Material will redesign itself as per the device size.

Angular Material classes are created in such a way that the website can fit any screen size.

The websites created using Angular Material are fully compatible with PC, tablets, and mobile devices.

Install
ng add @angular/material

Angular Material Theming

Theming
https://material.angular.io/guide/theming
Angular Material All Modules
https://gist.github.com/pimatco/d5b1891feb90b60ca4681011b6513873

Using a pre-built theme
Angular Material comes prepackaged with several pre-built theme css files. These theme files also include all of the styles for core (styles common to all components), so you only have to include a single css file for Angular Material in your app.

You can include a theme file directly into your application from @angular/material/prebuilt-themes

Available pre-built themes:

deeppurple-amber.css
indigo-pink.css
pink-bluegrey.css
purple-green.css

If you're using Angular CLI, this is as simple as including one line in your styles.css file:

@import '@angular/material/prebuilt-themes/deeppurple-amber.css';
Alternatively, you can just reference the file directly. This would look something like:

<link href="node_modules/@angular/material/prebuilt-themes/indigo-pink.css" rel="stylesheet">
The actual path will depend on your server setup.

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Install bootstrap in Angular

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bootstrap

bootstrap is an open-source repository that provides a couple of native Angular widgets which are built using Bootstrap 4 CSS.

As you know Bootstrap is one of the most popular CSS frameworks which is used to build stylish and modern applications, which has HTML, CSS and JavaScript libraries.

install the Bootstrap module using npm command. Open VS code terminal window or you can use windows command prompt and type below command and install,
npm install bootstrap -save

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How to Import and Use jQuery in Angular

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How to Import and Use jQuery in Angular

install jQuery
First install jQuery using npm as follows
npm install jquery -- save
Second go to the ./angular.json file at the root of your Angular CLI project folder, and find the scripts:
[] property, and include the path to jQuery as follows
"scripts": ["node_modules/jquery/dist/jquery.min.js"]

Use jQuery
Note: If you want to use bootstrap in your application or if you already have in your project, make
sure to include jQuery before including the bootstrap javascript file as follows. Since bootstrap's
javascript file requires jQuery.

"scripts": ["./node_modules/jquery/dist/jquery.min.js",
            "./node_modules/bootstrap/dist/js/bootstrap.js"]
After including jQuery stop running your Angular CLI application and then re run it using ng serve.

Now to use jQuery, all you have to do is to import it as follows in whatever component you want to use
jQuery.
import * as $ from 'jquery';