

A word cloud visualization of AngularJS-related terms. The most prominent words are 'create', 'material', 'angular', 'sidebar', and 'component'. Other visible words include 'button', 'import', 'using', 'content', 'image', 'https', 'UI', 'Set', 'color', 'app', 'container', 'mat', 'list', 'toggle', 'mat', 'toolbar', 'mat', 'icon', 'routerLink', 'platform', 'navigation', 'UI', 'Following', 'button', 'routerLink', 'component', 'platform', 'navigation', 'UI'.

Setting up Angular Material 13

Fortunately, all it takes is a single command to accomplish this. To begin, open a new terminal and enter the commands listed below:

The command will ask you to **Choose a prebuilt theme name, or "custom" for a custom theme: (Use arrow keys)**

Let's choose **Deep Purple/Amber**.

That's all there is to it! Your application has been configured to use Angular Material v13.

Importing Angular Material Components

After that, you need to import the Angular Material components that you want to use in your project which are `MatToolbarModule`, `MatSidenavModule`, `MatListModule`, `MatButtonModule` and `MatIconModule`.

Open the `src/app/app.module.ts` file and add the following updates:

```
import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';

import { HttpClientModule } from '@angular/common/http';
import { BrowserAnimationsModule } from '@angular/platform-browser/animations';
import { MatToolbarModule, MatIconModule, MatSidenavModule, MatListModule, MatButtonModule

import { AppRoutingModuleModule } from './app-routing.module';

// [...]

@NgModule({
  declarations: [
    // [...]
  ],
  imports: [
    BrowserModule,
    BrowserAnimationsModule,
    HttpClientModule,
    AppRoutingModuleModule,
    MatToolbarModule,
    MatSidenavModule,
    MatListModule,
    MatButtonModule,
    MatIconModule
  ],
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule { }
```

We import the following Material components modules for building our navigation UI:

`MatToolbarModule` which provides `<mat-toolbar>` and `<mat-toolbar-row>` components.

`MatSidenavModule`

`MatListModule`

`MatButtonModule` which provides `mat-button` and `mat-icon-button` .

`MatIconModule` which provides `<mat-icon>` .

Note: Make sure you **import** the Angular Material modules after Angular's `BrowserModule`, as the import order matters for `NgModules`.

Angular 13 Material Toolbar Example

The Material toolbar components are intended to be used to add containers for headers, titles, and actions. To create and structure toolbars for your Angular 13 application, we can use various components such as

`<mat-toolbar>` and `<mat-toolbar-row>` .

Open the `src/app/app.component.html` file and start by adding the toolbar:

```
<mat-toolbar color="primary">
  <mat-toolbar-row>
    <button mat-icon-button>
      <mat-icon (click)="sidenav.toggle()">menu</mat-icon>
    </button>
    <h1>SimpleCRM</h1>
    <span class="menu-spacer"></span>
    <div>
      <a mat-button [routerLink]=''/accounts''> Accounts </a>
      <a mat-button [routerLink]=''/create-account''> Create Account </a>
      <a mat-button [routerLink]=''/contacts''> Contacts </a>
      <a mat-button [routerLink]=''/create-contact''> Create Contact </a>
      <a mat-button [routerLink]=''/activities''> Activities </a>
      <a mat-button [routerLink]=''/create-activity''> Create Activity </a>

    </div>
  </mat-toolbar-row>

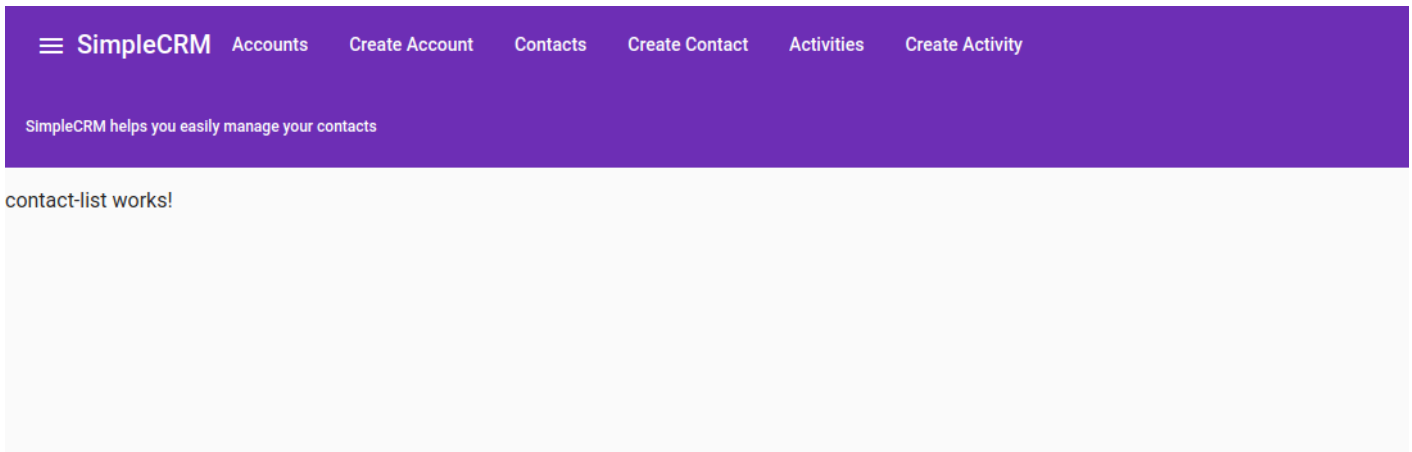
  <mat-toolbar-row>
    <span style="font-size: 12px;">SimpleCRM helps you easily manage your contacts</span>
  </mat-toolbar-row>
</mat-toolbar>
```



We use a primary color for our toolbar. Next, we create two toolbar rows using the `<mat-toolbar-row>` . In the first row, we add an icon button (using `mat-icon-button`) with a Material icon (`<mat-icon>`) to toggle the sidebar menu which we'll add next. Next, we add a bunch of navigation buttons using `<a>` tags with `mat-button` .

You can set the color of a `<mat-toolbar>` component by using the `color` property. By default, toolbars make use of a neutral background color depending on the current theme (light or dark). This can be changed to `primary` , `accent` , or `warn` .

This is a screenshot of our toolbar:



Angular 13 Material Sidenav Example

According to the [docs](#):

The sidenav components are designed to add side content to a fullscreen app. To set up a sidenav we use three components: `<mat-sidenav-container>` which acts as a structural container for our content and sidenav, `<mat-sidenav-content>` which represents the main content, and `<mat-sidenav>` which represents the added side content.

In the same `src/app/app.component.html` file, add:

```
<mat-sidenav-container>
  <mat-sidenav #sidenav>
    <mat-nav-list>

      <a mat-list-item [routerLink]="/accounts"> Accounts </a>
      <a mat-list-item [routerLink]="/create-account"> Create Account </a>
      <a mat-list-item [routerLink]="/contacts"> Contacts </a>
      <a mat-list-item [routerLink]="/create-contact"> Create Contact </a>
      <a mat-list-item [routerLink]="/activities"> Activities </a>
      <a mat-list-item [routerLink]="/create-activity"> Create Activity </a>
      <a mat-list-item (click)="sidenav.toggle()" href="" mat-list-item>Close</a>

    </mat-nav-list>
  </mat-sidenav>
  <mat-sidenav-content>
    <div style="height: 88vh;">

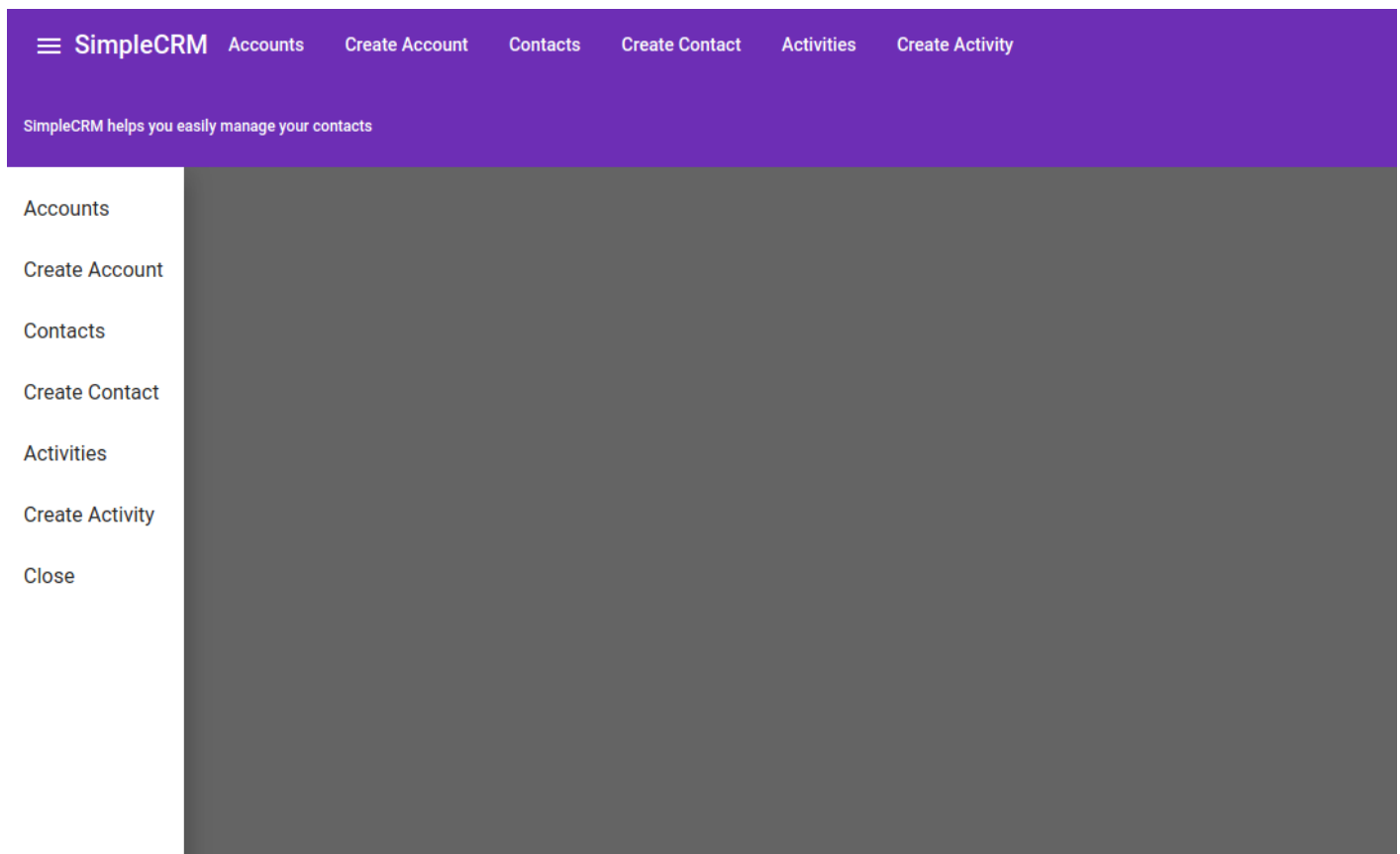
      <router-outlet></router-outlet>
    </div>
  </mat-sidenav-content>
</mat-sidenav-container>
```

We used a Material navigation list to create a list of buttons using `<mat-nav-list>` and `mat-list-item`.

We also added a `#sidenav` template reference variable to `<mat-sidenav #sidenav>` to be able to call its `toggle()` method from the menu icon in the toolbar so we toggle it on and off (

```
<mat-icon (click)="sidenav.toggle()">menu</mat-icon> )
```

This is a screenshot of our UI:



Conclusion

In this tutorial, we added Angular Material to our angular 13 app, allowing us to create a professional-grade UI for our apps. Following that, we built a navigation UI using the Material toolbar, sidenav, buttons, and icons components.

In the previous tutorial we've seen how to consume a [REST API with Angular 13 HttpClient](#).

We've also added [component routing](#) to our application. Now, let's learn to create the UI using Angular Material 13.

In the following tutorial, we'll create a CRUD interface for creating, reading, updating, and deleting items from our CRM REST API using our table and form UI.