Angular 5 CT Specialization

Angular Material Lab 5

January 2019

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Document Control

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Earlier versions	

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Creating the *ContactManagerModule* & the components inside it

1. Run the following commands to create the **ContactManagerModule, ContactManagerAppComponent, ToolbarComponent, MainContentComponent & SideNavComponent** respectively:

```
D:\angular5ctspecialization\angularmaterialapp>ng g m contact-manager --routing
```

```
D:\angular5ctspecialization\angularmaterialapp>ng g c contact-manager/contact-manager-app --flat --skipTests
```

```
D:\angular5ctspecialization\angularmaterialapp>ng g c contact-manager/toolbar --flat --skipTests
```

```
D:\angular5ctspecialization\angularmaterialapp>ng g c contact-manager/side-nav --flat --skipTests
```

```
D:\angular5ctspecialization\angularmaterialapp>ng g c contact-manager/main-content --flat --skipTests
```

Lazy load the *ContactManagerModule*

2. Add the following to the **routes** array of the root module before the last route:

```
{path:'contactmanager', loadChildren:'./contact-manager/contact-manager.module#ContactManagerModule'},
```

Configure routing for the *ContactManagerModule*

3. Open **contact-manager-routing.module.ts** file & add the following import statements:

```
import {ContactManagerAppComponent} from './contact-manager-app.component';
```

4. Add the following inside the **routes** array:

```
const routes: Routes = [
  {path:'contactmanager', component:ContactManagerAppComponent},
  {path:'**', redirectTo:'contactmanager'}
];
```

5. Open **contact-manager.module.ts** file & add the following inside the **ContactManagerModule** class:

```
constructor()
{
    console.log("ContactManagerModule loaded");
}
```

6. Serve the application & navigate to **http://localhost:4200/contactmanager.** Notice that the **ContactManagerModule** is lazily loaded & the **ContactManagerAppComponent** is shown by default.

Adding child components to *ContactManagerAppComponent*

7. Open **contact-manager-routing.module.ts** file & add the following inside the first route of the **routes** array:

```
,children:[
      {path:'', component:MainContentComponent}
]
```

8. Open **contact-manager-app.component.html** file & add the following markup inside the **<p>** element:

```
<app-side-nav></app-side-nav>
```

9. Open **side-nav.component.html** file & add the following markup inside the **<p>** element:

```
<app-toolbar></app-toolbar>
<router-outlet></router-outlet>
```

10. Serve the application & navigate to **http://localhost:4200/contactmanager.** Notice that the **ContactManagerModule** is lazily loaded & the **ContactManagerAppComponent** is shown by default which now displays the **SideNavComponent,** which in turn displays the **ToolbarComponent** & the **MainContentComponent.** *(see snapshot below)*

← → C ⓘ localhost:4200/contactmanager/contactmanager

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contact-manager-app works!

side-nav works!

toolbar works!

main-content works!