Angular 5 CT Specialization

Angular Material Lab 3

January 2019

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Document Control

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Creating a *demo* module for experimenting with Angular Material

1. Create a module named **demo** with its own routing logic using the following command:

    ```
    D:\angular5ctspecialization\angularmaterialapp>ng generate module demo --routing
    ```

2. Create a component named **buttons** inside the **demo** module with an inline template & style
    & without any testing code using the following command:

    ```
    D:\angular5ctspecialization\angularmaterialapp>ng g c demo/buttons --flat --inline-style --inline-template --ski
    pTests
    ```

3. Move all the code from **app.component.html** to the above created component's inline
    template.

Lazy Loading the feature module

4. Add the following markup inside **app.component.html:**

    ```
    <router-outlet></router-outlet>
    ```

5. Open **app.module.ts** file & add the following import statement:

    ```
    import {Routes,RouterModule} from '@angular/router';
    ```

6. Add the following routes as well:

    ```
    const routes = [
      {path:'demo', loadChildren:'./demo/demo.module#DemoModule'},
      {path:'**', redirectTo:'demo'}
    ];
    ```

7. Add the following inside the **imports** array of the **NgModule** decorator:

    ```
    RouterModule.forRoot(routes)
    ```

8. Add the following code inside the **AppModule** class:

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

9. Open **demo-routing.module.ts** file & add the following import statement:

    ```
    import {ButtonsComponent} from './buttons.component';
    ```

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

    ```
    {path:'buttons', component:ButtonsComponent},
    {path:'**', redirectTo:'buttons'}
    ```

11. Add the following code inside the **DemoRoutingModule** class:

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

12. From **app.module.ts**, remove the import statement which imports the **MaterialModule** & add that import statement in the **DemoModule** instead.

13. Serve the application. Notice that the URL shows **http://localhost:4200/demo/buttons** by default & the browser's console log displays a message saying that the **DemoModule** was loaded. Change the URL to **http://localhost:4200** & notice that the application navigates to the **DemoModule** by default which is lazily loaded.

14. Create a new component named **flexbox** in the **demo** module using the following command:
```
D:\angular5ctspecialization\angularmaterialapp>ng g c demo/flexbox --flat --inline-style --inline-template --ski
pTests
```

15. Add the following in the **routes** array of **demo-routing.module.ts** file before the last item in the array:
```
{path:'flexbox', component:FlexboxComponent}
```

16. Serve the application. Notice that the URL shows **http://localhost:4200/demo/buttons** by default & the browser's console log displays a message saying that the **DemoModule** was loaded. Change the URL to **http://localhost:4200/flexbox** & notice that the application navigates to the **FlexboxComponent**.