

Exercise (Instructions): Configuring your Angular Application

Objectives and Outcomes

In this exercise we will set up our project to use Angular Material and Angular Flex Layout. We will then introduce our first Angular Material component into our application. At the end of this exercise you will be able to:

- Configure your Angular project to use Angular Material and Flex Layout.
- Start using Material components in your application.

Configure your Angular Project to use Angular Material

- To configure your project to use Angular material, type the following at the prompt to install Angular Material, Angular Animations and HammerJS:

```
npm install @angular/material@6.4.7 --save
```

```
npm install @angular/cdk@6.4.7 --save
```

```
npm install --save @angular/animations@6.1.7
```

```
npm install --save hammerjs@2.0.8
```

Configure to use Material Design Icons

- Next, include the following into the <head> of *index.html* to make use of Material Design icons:

```
<link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">
```

Configure your Angular Project to use Flex Layout

- Next, install Angular Flex Layout as follows:

```
npm install --save @angular/flex-layout@6.0.0-beta.18
```

- Then, you need to import the Angular Animations Module, Angular Material Toolbar Module, Flex Layout Module and hammerjs into your root module (src/app/app.module.ts) as follows:

```
...
```

```
import { BrowserAnimationsModule } from '@angular/platform-browser/animations';
```

```
import { MatToolbarModule } from '@angular/material/toolbar';
```

```
import { FlexLayoutModule } from '@angular/flex-layout';
```

```
...
```

```
import 'hammerjs';
```

```
@NgModule({
```

```
...
```

```
imports: [
```

```
...,
```

```
BrowserAnimationsModule,
```

```
MatToolbarModule,
```

```
FlexLayoutModule
```

```
],
```

```
...
```

```
})
```

```
...
```

Adding a Material Toolbar

- Open app.component.html and replace its contents with the following code:

```
<mat-toolbar color="primary"> <span>Ristorante Con Fusion</span> </mat-toolbar>
```

- **Adding Styles**

- Add the following styles to styles.scss file:

```
@import '~@angular/material/prebuilt-themes/deeppurple-amber.css';
```

```
// some basic resets
```

```
body {  
  padding: 0;  
  margin: 0;  
  font-family: Roboto, sans-serif;  
  
}
```

This will add a built-in Material theme to our application.

- Do a Git commit with the message "Configuring Angular"

Conclusions

In this exercise we learnt to use Angular Material and Flex Layout NgModules in our Angular application.