

Exercise (Instructions): Header and Footer

Objectives and Outcomes

In this exercise you will add in a header and a footer to our Angular application using two Angular components. This will illustrate the use of multiple components put together form the application's view. You will also add in the Font Awesome icons for use within your application. At the end of this exercise you will be able to:

- Use multiple components and their views to put together the view of the application.
- Make use of Font Awesome icons within your Angular application

Using Font Awesome Icons

- First use NPM to fetch Font Awesome to the project by typing the following at the prompt:

```
1 npm install font-awesome --save
```

- Then, open the `.angular-cli.json` file in the project's root folder and update it as follows:

```
1  . . .
2  "apps": [
3    {
4      . . .
5
6      "styles": [
7        "styles.scss",
8        "../node_modules/font-awesome/scss/font-awesome.scss"
9      ],
10
11      . . .
12    }],
13    . . .
14  ]
```

- You may need to restart your server by stopping and restarting the `"ng serve --open"`.

Adding Header and Footer

- Create two new components named header and footer in your application:

```
1 ng generate component header
2 ng generate component footer
```

- Update the footer's template as follows:

```
1 <div class="container footer"
2   fxLayout="row"
3   fxLayout.sm="column"
4   fxLayout.xs="column"
5   fxLayoutAlign.xs="start center"
6   fxLayoutAlign.sm="start center"
7   fxLayoutAlign.gt-sm="center center"
8   fxLayoutWrap
9   fxLayoutGap="10px">
10
11 <div fxFlex="100%" fxFlex.gt-sm="50%">
12   <div fxLayout="row">
13     <div fxFlex="40" fxFlexOffset="20px">
14       <h4>Links</h4>
15       <md-list>
16         <md-list-item><a md-button>Home</a></md-list-item>
17         <md-list-item><a md-button>About</a></md-list-item>
18         <md-list-item><a md-button>Menu</a></md-list-item>
19         <md-list-item><a md-button>Contact</a></md-list-item>
20       </md-list>
21     </div>
22     <div fxFlex="50">
23       <h4>Our Address</h4>
24       <address style="text-size: 80%">
25         121, Clear Water Bay Road<br> Clear Water Bay, Kowloon<br> HONG KONG
26         <br>
27         <i class="fa fa-phone"></i>: +852 1234 5678<br>
28         <i class="fa fa-fax"></i>: +852 8765 4321<br>
29         <i class="fa fa-envelope"></i>:
30         <a href="mailto:confusion@food.net">confusion@food.net</a>
31       </address>
32     </div>
33   </div>
34 <div fxFlex="100%" fxFlex.gt-sm="45%">
35   <div style="text-align:center">
36     <a md-icon-button class="btn-google-plus" href="http://google.com/+><i
37       class="fa fa-google-plus fa-lg"></i></a>
38     <a md-icon-button class="btn-facebook" href="http://www.facebook.com
39       /profile.php?id="><i class="fa fa-facebook fa-lg"></i></a>
40     <a md-icon-button class="btn-linkedin" href="http://www.linkedin.com/in/"
41       ><i class="fa fa-linkedin fa-lg"></i></a>
42     <a md-icon-button class="btn-twitter" href="http://twitter.com/"><i class
43       ="fa fa-twitter fa-lg"></i></a>
44     <a md-icon-button class="btn-youtube" href="http://youtube.com/"><i class
45       ="fa fa-youtube fa-lg"></i></a>
46     <a md-icon-button class="btn-mail" href="mailto:"><i class="fa fa-envelope
47       -o fa-lg"></i></a>
48   </div>
49 </div>
```

- Update the footer's styles file as follows:

```

1 $lt-gray: #ddd;
2 $background-dark: #512DA8;
3 $background-light: #9575CD;
4 $background-pale: #D1C4E9;
5
6 @mixin zero-margin($pad-up-down, $pad-left-right) {
7     margin: 0px auto;
8     padding: $pad-up-down $pad-left-right;
9 }
10
11 .footer{
12     background-color: $background-pale;
13     @include zero-margin(20px, 0px);
14 }
15
16 .btn-facebook {color:#fff!important; background-color:#3b5998!important;}
17 .btn-google-plus{color:#fff!important;background-color:#dd4b39!important;}
18 .btn-youtube{color:#fff!important;background-color:#ff4b39!important;}
19 .btn-linkedin{color:#fff!important;background-color:#007bb6!important;}
20 .btn-twitter{color:#fff!important;background-color:#55acee!important;}
21 .btn-mail{color:#fff!important;background-color:#512DA8!important;}

```

- Update the header's template as follows:

```

1 <md-toolbar color="primary">
2   <span></span>
3   <a md-button><span class="fa fa-home fa-lg"></span> Home</a>
4   <a md-button><span class="fa fa-info fa-lg"></span> About</a>
5   <a md-button><span class="fa fa-list fa-lg"></span> Menu</a>
6   <a md-button><span class="fa fa-address-card fa-lg"></span> Contact</a>
7
8 </md-toolbar>
9
10 <div class="container jumbotron"|
11   fxLayout="row"
12   fxLayout.sm="column"
13   fxLayout.xs="column"
14   fxLayoutAlign.xs="start center"
15   fxLayoutAlign.sm="start center"
16   fxLayoutAlign.gt-sm="center center"
17   fxLayoutGap="10px">
18
19   <div fxFlex fxFlex.gt-sm="50%">
20     <h1>Ristorante Con Fusion</h1>
21     <p>We take inspiration from the World's best cuisines, and create a unique
22       fusion experience. Our lipsmacking creations
23       will tickle your culinary senses!</p>
24   </div>
25   <div fxFlex fxFlex.gt-sm="20%">
26     
27   </div>
28 </div>

```

- Update the header's style file as follows:

```

1 $lt-gray: #ddd;
2 $background-dark: #512DA8;
3 $background-light: #9575CD;
4 $background-pale: #D1C4E9;
5
6 @mixin zero-margin($pad-up-down, $pad-left-right) {
7     margin: 0px auto;
8     padding: $pad-up-down $pad-left-right;
9 }
10
11 .jumbotron {
12     @include zero-margin(70px,30px);
13     background: $background-light ;
14     color:floralwhite;
15     min-height: 150px;
16 }

```

- Update the project's style file styles.scss with the following:

```

1 . . .
2
3
4 $lt-gray: #ddd;
5 $background-dark: #512DA8;
6 $background-light: #9575CD;
7 $background-pale: #D1C4E9;
8 $primary-color-dark: #512DA8;
9 $primary-color: #673AB7;
10 $primary-color-light: #D1C4E9;
11 $primary-color-text: #FFFFFF;
12 $accent-color: #FFC107;
13 $primary-text-color: #212121;
14 $secondary-text-color: #757575;
15 $divider-color: #BDBDBD;
16
17 @mixin zero-margin($pad-up-down, $pad-left-right) {
18     margin: 0px auto;
19     padding: $pad-up-down $pad-left-right;
20 }
21
22 . . .
23
24
25 .background-primary {
26     background-color: $background-dark!important;
27 }
28 .background-accent {
29     background-color: $accent-color!important;
30 }
31 .text-floral-white {
32     color: floralwhite!important;
33 }
34
35 .flex-spacer {
36     flex: 1 1 auto;
37 }

```

- Now update the app.component.html file to include the header and footer as follows:

```

1 <app-header></app-header>
2 <app-menu></app-menu>
3 <app-footer></app-footer>

```

- Save all the changes and do a Git commit with the message "Header and Footer".

Conclusions

You have updated the application to include multiple views using multiple components into your application.

Mark as completed

