

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:

```
npm install font-awesome@4.7.0 --save
```

Then, add a new file named `_variables.scss` in the `src` folder and add the following to it:

```
$fa-font-path : '../node_modules/font-awesome/fonts';
```

Then, open the `styles.scss` file and update it as follows:

```
...
```

```
@import 'variables';
```

```
@import '../node_modules/font-awesome/scss/font-awesome';
```

```
...
```

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:

```
ng generate component header
```

```
ng generate component footer
```

```
<div class="container footer"
  fxLayout="row wrap"
  fxLayout.lt-md="column"
  fxLayoutAlign="center center"
  fxLayoutGap="10px">
```

```
<div fxFlex="100" fxFlex.gt-sm="50">
  <div fxLayout="row">
    <div fxFlex="40" fxFlexOffset="20px">
      <h4>Links</h4>
      <mat-list>
        <mat-list-item><a mat-button>Home</a></mat-list-item>
        <mat-list-item><a mat-button>About</a></mat-list-item>
```

```

    <mat-list-item><a mat-button>Menu</a></mat-list-item>
    <mat-list-item><a mat-button>Contact</a></mat-list-item>
  </mat-list>
</div>
<div fxFlex="55">
  <h4>Our Address</h4>
  <address style="text-size: 80%">
    121, Clear Water Bay Road<br> Clear Water Bay, Kowloon<br> HONG KONG<br>
    <i class="fa fa-phone"></i>: +852 1234 5678<br>
    <i class="fa fa-fax"></i>: +852 8765 4321<br>
    <i class="fa fa-envelope"></i>:
    <a href="mailto:confusion@food.net">confusion@food.net</a>
  </address>
</div>
</div>
</div>
<div fxFlex="100" fxFlex.gt-sm="45">
  <div style="text-align:center">
    <a mat-icon-button class="btn-google-plus" href="http://google.com/+"><i class="fa fa-
google-plus fa-lg"></i></a>
    <a mat-icon-button class="btn-facebook" href="http://www.facebook.com/profile.php?
id="><i class="fa fa-facebook fa-lg"></i></a>
    <a mat-icon-button class="btn-linkedin" href="http://www.linkedin.com/in/"><i
class="fa fa-linkedin fa-lg"></i></a>
    <a mat-icon-button class="btn-twitter" href="http://twitter.com/"><i class="fa fa-twitter
fa-lg"></i></a>
    <a mat-icon-button class="btn-youtube" href="http://youtube.com/"><i class="fa fa-
youtube fa-lg"></i></a>
    <a mat-icon-button class="btn-mail" href="mailto:"><i class="fa fa-envelope-o
fa-lg"></i></a>
  </div>
</div>
<div>
  <p>© Copyright 2018 Ristorante Con Fusion</p>
</div>
</div>

```

Update the footer's styles file footer.component.scss as follows:

```

$lt-gray: #ddd;
$background-dark: #512DA8;
$background-light: #9575CD;
$background-pale: #D1C4E9;

@mixin zero-margin($pad-up-down, $pad-left-right) {
  margin: 0px auto;
  padding: $pad-up-down $pad-left-right;
}

.footer{
  background-color: $background-pale;

```

```
@include zero-margin(20px, 0px);
}
```

```
.btn-facebook {color:#fff!important; background-color:#3b5998!important;}
.btn-google-plus{color:#fff!important;background-color:#dd4b39!important;}
.btn-youtube{color:#fff!important;background-color:#ff4b39!important;}
.btn-linkedin{color:#fff!important;background-color:#007bb6!important;}
.btn-twitter{color:#fff!important;background-color:#55acee!important;}
.btn-mail{color:#fff!important;background-color:#512DA8!important;}
```

Update the header's template as follows:

```
<mat-toolbar color="primary">
  <span></span>
  <a mat-button><span class="fa fa-home fa-lg"></span> Home</a>
  <a mat-button><span class="fa fa-info fa-lg"></span> About</a>
  <a mat-button><span class="fa fa-list fa-lg"></span> Menu</a>
  <a mat-button><span class="fa fa-address-card fa-lg"></span> Contact</a>
</mat-toolbar>

<div class="container jumbotron"
  fxLayout="row"
  fxLayout.sm="column"
  fxLayout.xs="column"
  fxLayoutAlign.xs="start center"
  fxLayoutAlign.sm="start center"
  fxLayoutAlign.gt-sm="center center"
  fxLayoutGap="10px">

  <div fxFlex fxFlex.gt-sm="50%">
    <h1>Ristorante Con Fusion</h1>
    <p>We take inspiration from the World's best cuisines, and create a unique fusion experience.
Our lipsmacking creations
    will tickle your culinary senses!</p>
  </div>
  <div fxFlex fxFlex.gt-sm="20%">
    
  </div>
</div fxFlex></div>
```

Update the header's style file header.component.scss as follows:

```
$lt-gray: #ddd;
$background-dark: #512DA8;
$background-light: #9575CD;
$background-pale: #D1C4E9;
```

```
@mixin zero-margin($pad-up-down, $pad-left-right) {
  margin: 0px auto;
  padding: $pad-up-down $pad-left-right;
}
```

```
.jumbotron {
  @include zero-margin(70px,30px);
  background: $background-light ;
  color:floralwhite;
  min-height: 150px;
}
```

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

```
$lt-gray: #ddd;
$background-dark: #512DA8;
$background-light: #9575CD;
$background-pale: #D1C4E9;
$primary-color-dark: #512DA8;
$primary-color: #673AB7;
$primary-color-light: #D1C4E9;
$primary-color-text: #FFFFFF;
$accent-color: #FFC107;
$primary-text-color: #212121;
$secondary-text-color: #757575;
$divider-color: #BDBDBD;
```

```
@mixin zero-margin($pad-up-down, $pad-left-right) {
  margin: 0px auto;
  padding: $pad-up-down $pad-left-right;
}
```

...

```
.background-primary {
  background-color: $background-dark!important;
}
.background-accent {
  background-color: $accent-color!important;
}
.text-floral-white {
  color: floralwhite!important;
}

.flex-spacer {
  flex: 1 1 auto;
}
```

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

```
<app-header></app-header>
<app-menu></app-menu>
<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.