

Exercise (Instructions): Header and Footer

Objectives and Outcomes

In this exercise you will add in a header and a footer to our React application using two React 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 and Bootstrap-social 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 and Bootstrap-social within your React application

Using Font Awesome Icons and Bootstrap-Social

- First use yarn or npm to fetch Font Awesome and Bootstrap-social to the project by typing the following at the prompt:

```
1 yarn add font-awesome@4.7.0
2 yarn add bootstrap-social@5.1.1
```

- Then, open index.js file and update it as follows to enable your application to use Font Awesome and Bootstrap Social:

```
1 . . .
2
3 import 'font-awesome/css/font-awesome.css';
4 import 'bootstrap-social/bootstrap-social.css';
5
6 . . .
```

Adding a Header and a Footer

- Create a new file named HeaderComponent.js and add the following to it:

```

1  import React, { Component } from 'react';
2  import { Navbar, NavbarBrand, Jumbotron } from 'reactstrap';
3
4  class Header extends Component {
5    render() {
6      return(
7        <React.Fragment>
8          <Navbar dark>
9            <div className="container">
10              <NavbarBrand href="/">Ristorante Con Fusion</NavbarBrand>
11            </div>
12          </Navbar>
13          <Jumbotron>
14            <div className="container">
15              <div className="row row-header">
16                <div className="col-12 col-sm-6">
17                  <h1>Ristorante con Fusion</h1>
18                  <p>We take inspiration from the World's best cuisines,
19                    and create a unique fusion experience. Our lipsmacking
20                    creations will tickle your culinary senses!</p>
21                </div>
22              </div>
23            </Jumbotron>
24          </React.Fragment>
25        );
26      }
27    }
28    export default Header;

```

- Then, add another file named FooterComponent.js and add the following to it:

```

1  import React from 'react';
2
3  function Footer(props) {
4    return(
5      <div className="footer">
6        <div className="container">
7          <div className="row justify-content-center">
8            <div className="col-4 offset-1 col-sm-2">
9              <h5>Links</h5>
10             <ul className="list-unstyled">
11               <li><a href="#">Home</a></li>
12               <li><a href="#">About</a></li>
13               <li><a href="#">Menu</a></li>
14               <li><a href="contactus.html">Contact</a></li>
15             </ul>
16           </div>
17           <div className="col-7 col-sm-5">
18             <h5>Our Address</h5>
19             <address>
20               121, Clear Water Bay Road<br />
21               Clear Water Bay, Kowloon<br />
22               HONG KONG<br />
23               <i className="fa fa-phone fa-lg"></i>: +852 1234 5678<br />
24               <i className="fa fa-fax fa-lg"></i>: +852 8765 4321<br />
25               <i className="fa fa-envelope fa-lg"></i>: <a href="mailto:
                :confusion@food.net">
                confusion@food.net</a>
26             </address>
27           </div>
28           <div className="col-12 col-sm-4 align-self-center">
29             <div className="text-center">
30               <a className="btn btn-social-icon btn-google" href="http
31                 ://google.com/+><i className="fa fa-google-plus"></i>
32                 </a>
33               <a className="btn btn-social-icon btn-facebook" href
34                 ="http://www.facebook.com/profile.php?id="><i
35                 className="fa fa-facebook"></i></a>
36               <a className="btn btn-social-icon btn-linkedin" href
37                 ="http://www.linkedin.com/in/"><i className="fa fa
38                 -linkedin"></i></a>
39               <a className="btn btn-social-icon btn-twitter" href
40                 ="http://twitter.com/"><i className="fa fa-twitter"
41                 ></i></a>
42               <a className="btn btn-social-icon btn-google" href="http
43                 ://youtube.com/"><i className="fa fa-youtube"></i></a>
44               <a className="btn btn-social-icon" href="mailto:"><i
45                 className="fa fa-envelope-o"></i></a>
46             </div>
47           </div>
48         </div>
49         <div className="row justify-content-center">
50           <div className="col-auto">
51             <p>© Copyright 2018 Ristorante Con Fusion</p>
52           </div>
53         </div>
54       </div>
55     )
56   }
57
58   export default Footer;

```

- Now we open MainComponent.js and update it to integrate the header and footer into our application:

```
1  . . .
2
3  import Header from './HeaderComponent';
4  import Footer from './FooterComponent';
5
6  . . .
7
8      <Header />
9      <Menu dishes={this.state.dishes} onClick={(dishId) => this.onDishSelect
10         (dishId)} />
11      <DishDetail dish={this.state.dishes.filter((dish) => dish.id === this
12         .state.selectedDish)[0]} />
13      <Footer />
```

- Then update App.css to add some new CSS classes for use in our application:

```
1  .row-header{
2      margin:0px auto;
3      padding:0px auto;
4  }
5
6  .row-content {
7      margin:0px auto;
8      padding: 50px 0px 50px 0px;
9      border-bottom: 1px ridge;
10     min-height:400px;
11 }
12
13 .footer{
14     background-color: #D1C4E9;
15     margin:0px auto;
16     padding: 20px 0px 20px 0px;
17 }
18 .jumbotron {
19     padding:70px 30px 70px 30px;
20     margin:0px auto;
21     background: #9575CD ;
22     color:floralwhite;
23 }
24
25 address{
26     font-size:80%;
27     margin:0px;
28     color:#0f0f0f;
29 }
30
31 .navbar-dark {
32     background-color: #512DA8;
33 }
```

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

Conclusions

In this exercise we updated the React application to use Font Awesome and Bootstrap Social, and also integrated two new components, Header and Footer, into our application.

