

Exercise (Instructions): React Components Part 2

Objectives and Outcomes

In this exercise we will continue modifying the menu component from the previous exercise. Instead of a list, we will use a Card component from reactstrap to display the menu in a different way. Also we will use the Card component to display the details of a selected dish. At the end of this exercise you will be able to:

- Make use of the Card component to display a list of items.
- Use the Card component to display detailed information.

Exercise Resources

dishes.js

Updating the Menu Component

- Open *MenuComponent.js* and update its contents as follows. Note that we have removed the dishes variable from the state of the component, and updated it to use the Card:

```
1  ...
2
3  import { Card, CardImg, CardImgOverlay, CardText, CardBody,
4    CardTitle } from 'reactstrap';
5
6  class Menu extends Component {
7
8    constructor(props) {
9      super(props);
10
11    this.state = {
12      selectedDish: null
13    }
14  }
15
16  onDishSelect(dish) {
17    this.setState({ selectedDish: dish });
18  }
19
20  renderDish(dish) {
21    if (dish != null)
22      return(
23        <Card>
24          <CardImg top src={dish.image} alt={dish.name} />
25          <CardBody>
26            <CardTitle>{dish.name}</CardTitle>
27            <CardText>{dish.description}</CardText>
28          </CardBody>
29        </Card>
30      );
31    else
32      return(
33        <div></div>
34      );
35  }
36
37  render() {
38    const menu = this.props.dishes.map((dish) => {
39      return (
40        <div className="col-12 col-md-5 n-1">
41          <Card key={dish.id}>
42            <CardImg width="100%" src={dish.image} alt={dish.name} />
43            <CardImgOverlay>
44              <CardTitle>{dish.name}</CardTitle>
45            </CardImgOverlay>
46          </Card>
47        </div>
48      );
49    });
50
51    return (
52      <div className="container">
53        <div className="row">
54          {menu}
55        </div>
56        <div className="row">
57          <div className="col-12 col-md-5 n-1">
58            {this.renderDish(this.state.selectedDish)}
59          </div>
60        </div>
61      </div>
62    );
63  }
64 }
65
66 ...
67
68
```

- Add a folder named *shared* under the *src* folder.
- In the *shared* folder, create a new file named *dishes.js* and add the following content to it (**Note:** Alternately you can download the *dishes.js* file given above in the Exercise Resources and move it to the shared folder. Make sure the file is named *dishes.js*):

```
1  export const DISHES =
2  [
3    {
4      id: 0,
5      name: 'Uthappizza',
6      image: 'assets/images/uthappizza.png',
7      category: 'mains',
8      label: 'Hot',
9      price: 4.99,
10     description: 'A unique combination of Indian Uthappam (pancake) and Italian pizza, topped with Cerignola olives, ripe vine cherry tomatoes, Vidalia onion, Guntur chillies and Buffalo Paneer.',
11     comments: [
12     ]
13   }
14 ]
```

```
13 id: 0,
14 rating: 5,
15 comment: "Imagine all the eatables, living in conFusion!",
16 author: "John Lemon",
17 date: "2012-10-16T17:57:28.556094Z"
18 },
19 {
20 id: 1,
21 rating: 4,
22 comment: "Sends anyone to heaven, I wish I could get my mother-in
23 -law to eat it!",
24 author: "Paul McVites",
25 date: "2014-09-05T17:57:28.556094Z"
26 },
27 {
28 id: 2,
29 rating: 3,
30 comment: "Eat it, just eat it!",
31 author: "Michael Jaikishan",
32 date: "2015-02-13T17:57:28.556094Z"
33 },
34 {
35 id: 3,
36 rating: 4,
37 comment: "Ultimate, Reaching for the stars!",
38 author: "Ringo Starry",
39 date: "2013-12-02T17:57:28.556094Z"
40 },
41 {
42 id: 4,
43 rating: 2,
44 comment: "It's your birthday, we're gonna party!",
45 author: "25 Cent",
46 date: "2011-12-02T17:57:28.556094Z"
47 }
48 },
49 {
50 id: 1,
51 name: 'Zucchipakoda',
52 image: 'assets/images/zucchipakoda.png',
53 category: 'appetizer',
54 label: '',
55 price: '1.99',
56 description: 'Deep fried Zucchini coated with mildly spiced Chickpea
57 flour batter accompanied with a sweet-tangy tamarind sauce',
58 comments: [
59 {
60 id: 0,
61 rating: 5,
62 comment: "Imagine all the eatables, living in conFusion!",
63 author: "John Lemon",
64 date: "2012-10-16T17:57:28.556094Z"
65 },
66 {
67 id: 1,
68 rating: 4,
69 comment: "Sends anyone to heaven, I wish I could get my mother-in
70 -law to eat it!",
71 author: "Paul McVites",
72 date: "2014-09-05T17:57:28.556094Z"
73 },
74 {
75 id: 2,
76 rating: 3,
77 comment: "Eat it, just eat it!",
78 author: "Michael Jaikishan",
79 date: "2015-02-13T17:57:28.556094Z"
80 },
81 {
82 id: 3,
83 rating: 4,
84 comment: "Ultimate, Reaching for the stars!",
85 author: "Ringo Starry",
86 date: "2013-12-02T17:57:28.556094Z"
87 },
88 {
89 id: 4,
90 rating: 2,
91 comment: "It's your birthday, we're gonna party!",
92 author: "25 Cent",
93 date: "2011-12-02T17:57:28.556094Z"
94 }
95 ],
96 },
97 {
98 id: 2,
99 name: 'Vadonut',
100 image: 'assets/images/vadonut.png',
101 category: 'appetizer',
102 label: 'New',
103 price: '1.99',
104 description: 'A quintessential ConFusion experience, is it a vada or is
105 it a donut?',
106 comments: [
107 {
108 id: 0,
109 rating: 5,
110 comment: "Imagine all the eatables, living in conFusion!",
111 author: "John Lemon",
112 date: "2012-10-16T17:57:28.556094Z"
113 },
114 {
115 id: 1,
116 rating: 4,
117 comment: "Sends anyone to heaven, I wish I could get my mother-in
118 -law to eat it!",
119 author: "Paul McVites",
120 date: "2014-09-05T17:57:28.556094Z"
121 },
122 {
123 id: 2,
124 rating: 3,
125 comment: "Eat it, just eat it!",
126 author: "Michael Jaikishan",
127 date: "2015-02-13T17:57:28.556094Z"
128 },
129 {
130 id: 3,
131 rating: 4,
132 comment: "Ultimate, Reaching for the stars!",
133 author: "Ringo Starry",
134 date: "2013-12-02T17:57:28.556094Z"
135 },
136 {
137 id: 4,
138 rating: 2,
139 comment: "It's your birthday, we're gonna party!",
140 author: "25 Cent",
141 date: "2011-12-02T17:57:28.556094Z"
142 }
143 ],
144 },
145 {
146 id: 3,
147 name: 'ElaiCheese Cake',
148 image: 'assets/images/elaicheesecake.png',
149 category: 'dessert',
150 label: '',
151 price: '2.99',
152 description: 'A delectable, semi-sweet New York Style Cheese Cake, with
153 Graham cracker crust and spiced with Indian cardamoms',
154 comments: [
155 {
156 id: 0,
157 rating: 5,
158 comment: "Imagine all the eatables, living in conFusion!",
159 author: "John Lemon",
160 date: "2012-10-16T17:57:28.556094Z"
161 },
162 {
163 id: 1,
164 rating: 4,
```

```
159      comment: "Serius anyone to heaven, I wish I could get my mother-in-  
160      -law to eat it!",  
161      author: "Paul McVities",  
162      date: "2014-09-05T17:57:28.556094Z"  
163    },  
164    {  
165      id: 2,  
166      rating: 3,  
167      comment: "Eat it, just eat it!",  
168      author: "Michael Jaikishan",  
169      date: "2015-02-13T17:57:28.556094Z"  
170    },  
171    {  
172      id: 3,  
173      rating: 4,  
174      comment: "Ultimate, Reaching for the stars!",  
175      author: "Ringo Starry",  
176      date: "2013-12-02T17:57:28.556094Z"  
177    },  
178    {  
179      id: 4,  
180      rating: 2,  
181      comment: "It's your birthday, we're gonna party!",  
182      author: "25 Cent",  
183      date: "2011-12-02T17:57:28.556094Z"  
184    }  
185  ]  
186  }  
};
```

- Open *App.js* and update it as follows:

```
1  . . .  
2  
3  import { DISHES } from './shared/dishes';  
4  
5  . . .  
6  
7  class App extends Component {  
8    constructor(props) {  
9      super(props);  
10     this.state = {  
11       dishes: DISHES  
12     };  
13   }  
14  
15   . . .  
16  
17   <Menu dishes={this.state.dishes} />  
18  
19   . . .
```

- Save the changes and do a Git commit with the message "Components Part 2".

Conclusions

In this exercise we used a list of Cards to display the information in the menu component. Also we used a card to display the details of a selected dish.

✓ Complete

Go to next item