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 File

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 m-1">
```

- 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 pi;
11           comments: [
12               {
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-law to (
23               author: "Paul McVites",
24               date: "2014-09-05T17:57:28.556094Z"
25               },
26               {
```

```
26            {
27              id: 2,
28              rating: 3,
29              comment: "Eat it, just eat it!",
30              author: "Michael Jaikishan",
31              date: "2015-02-13T17:57:28.556094Z"
32            },
33            {
34              id: 3,
35              rating: 4,
36              comment: "Ultimate, Reaching for the stars!",
37              author: "Ringo Starry",
38              date: "2013-12-02T17:57:28.556094Z"
39            },
40            {
```

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- 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    . . .
```

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- 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.