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,
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">
41                      <Card key={dish.id}
42                          onClick={() => this.onDishSelect(dish)}>
43                          <CardImg width="100%" src={dish.image} alt={dish.name} />
44                          <CardImgOverlay>
45                              <CardTitle>{dish.name}</CardTitle>
46                          </CardImgOverlay>
47                      </Card>
48                  </div>
49              );
50          });
```

- 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              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 ▾            {
37              author: "Ringo Starry",
38              date: "2013-12-02T17:57:28.5560947"
```

```
 39              },
 40 ▾           {
 41              id: 4,
 42              rating: 2,
 43              comment: "It's your birthday, we're gonna party!",
 44              author: "25 Cent",
 45              date: "2011-12-02T17:57:28.556094Z"
 46              }
 47          ]                              },
 48 ▾       {
 49          id: 1,
 50          name:'Zucchipakoda',
 51          image: 'assets/images/zucchipakoda.png',
 52          category: 'appetizer',
 53          label:'',
 54          price:'1.99',
 55          description:'Deep fried Zucchini coated with mildly spiced Chickpea
                flour batter accompanied with a sweet-tangy tamarind sauce',
 56 ▾       comments: [
 57 ▾           {
 58              id: 0,
 59              rating: 5,
 60              comment: "Imagine all the eatables, living in conFusion!",
 61              author: "John Lemon",
 62              date: "2012-10-16T17:57:28.556094Z"
 63              },
 64 ▾           {
 82              author: "Ringo Starry",
 83              date: "2013-12-02T17:57:28.556094Z"
 84              },
 85 ▾           {
 86              id: 4,
 87              rating: 2,
 88              comment: "It's your birthday, we're gonna party!",
 89              author: "25 Cent",
 90              date: "2011-12-02T17:57:28.556094Z"
 91              }
 92          ]
 93          },
 94 ▾       {
 95          id: 2,
 96          name:'Vadonut',
 97          image: 'assets/images/vadonut.png',
 98          category: 'appetizer',
 99          label:'New',
100          price:'1.99',
101          description:'A quintessential ConFusion experience, is it a vada or is
                it a donut?',
102 ▾       comments: [
103 ▾           {
104              id: 0,
105              rating: 5,
106              comment: "Imagine all the eatables, living in conFusion!",
107              author: "John Lemon",
108              date: "2012-10-16T17:57:28.556094Z"
109              },
110 ▾           {
                comment: "Ultimate, Reaching for the stars!",
128              author: "Ringo Starry",
129              date: "2013-12-02T17:57:28.556094Z"
130              },
131 ▾           {
132              id: 4,
133              rating: 2,
134              comment: "It's your birthday, we're gonna party!",
135              author: "25 Cent",
136              date: "2011-12-02T17:57:28.556094Z"
137              }
138          ]
139          },
140 ▾       {
141          id: 3,
142          name:'ElaiCheese Cake',
143          image: 'assets/images/elaicheesecake.png',
144          category: 'dessert',
145          label:'',
146          price:'2.99',
147          description:'A delectable, semi-sweet New York Style Cheese Cake, with
                Graham cracker crust and spiced with Indian cardamoms',
148 ▾       comments: [
149 ▾           {
150              id: 0,
151              rating: 5,
152              comment: "Imagine all the eatables, living in conFusion!",
153              author: "John Lemon",
154              date: "2012-10-16T17:57:28.556094Z"
155              },
173              comment: "Ultimate, Reaching for the stars!",
174              author: "Ringo Starry",
175              date: "2013-12-02T17:57:28.556094Z"
176              },
177 ▾           {
178              id: 4,
179              rating: 2,
180              comment: "It's your birthday, we're gonna party!",
181              author: "25 Cent",
182              date: "2011-12-02T17:57:28.556094Z"
183              }
184          ]
```

```
184          ]
185          }
186        ];
  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.