### 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:

. . .

import { Card, CardImg, CardImgOverlay, CardText, CardBody,

CardTitle } from 'reactstrap';

class Menu extends Component {

constructor(props) {

super(props);

this.state = {

selectedDish: null

}

}

onDishSelect(dish) {

this.setState({ selectedDish: dish});

}

renderDish(dish) {

if (dish != null)

return(

<Card>

<CardImg top src={dish.image} alt={dish.name} />

<CardBody>

<CardTitle>{dish.name}</CardTitle>

<CardText>{dish.description}</CardText>

</CardBody>

</Card>

);

else

return(

<div></div>

);

}

render() {

const menu = this.props.dishes.map((dish) => {

return (

<div className="col-12 col-md-5 m-1">

<Card key={dish.id}

onClick={() => this.onDishSelect(dish)}>

<CardImg width="100%" src={dish.image} alt={dish.name} />

<CardImgOverlay>

<CardTitle>{dish.name}</CardTitle>

</CardImgOverlay>

</Card>

</div>

);

});

return (

<div className="container">

<div className="row">

{menu}

</div>

<div className="row">

<div className="col-12 col-md-5 m-1">

{this.renderDish(this.state.selectedDish)}

</div>

</div>

</div>

);

}

}

. . .

* 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):

export const DISHES =

[

{

id: 0,

name:'Uthappizza',

image: 'assets/images/uthappizza.png',

category: 'mains',

label:'Hot',

price:'4.99',

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.',

comments: [

{

id: 0,

rating: 5,

comment: "Imagine all the eatables, living in conFusion!",

author: "John Lemon",

date: "2012-10-16T17:57:28.556094Z"

},

{

id: 1,

rating: 4,

comment: "Sends anyone to heaven, I wish I could get my mother-in-law to eat it!",

author: "Paul McVites",

date: "2014-09-05T17:57:28.556094Z"

},

{

id: 2,

rating: 3,

comment: "Eat it, just eat it!",

author: "Michael Jaikishan",

date: "2015-02-13T17:57:28.556094Z"

},

{

id: 3,

rating: 4,

comment: "Ultimate, Reaching for the stars!",

author: "Ringo Starry",

date: "2013-12-02T17:57:28.556094Z"

},

{

id: 4,

rating: 2,

comment: "It's your birthday, we're gonna party!",

author: "25 Cent",

date: "2011-12-02T17:57:28.556094Z"

}

] },

{

id: 1,

name:'Zucchipakoda',

image: 'assets/images/zucchipakoda.png',

category: 'appetizer',

label:'',

price:'1.99',

description:'Deep fried Zucchini coated with mildly spiced Chickpea flour batter accompanied with a sweet-tangy tamarind sauce',

comments: [

{

id: 0,

rating: 5,

comment: "Imagine all the eatables, living in conFusion!",

author: "John Lemon",

date: "2012-10-16T17:57:28.556094Z"

},

{

id: 1,

rating: 4,

comment: "Sends anyone to heaven, I wish I could get my mother-in-law to eat it!",

author: "Paul McVites",

date: "2014-09-05T17:57:28.556094Z"

},

{

id: 2,

rating: 3,

comment: "Eat it, just eat it!",

author: "Michael Jaikishan",

date: "2015-02-13T17:57:28.556094Z"

},

{

id: 3,

rating: 4,

comment: "Ultimate, Reaching for the stars!",

author: "Ringo Starry",

date: "2013-12-02T17:57:28.556094Z"

},

{

id: 4,

rating: 2,

comment: "It's your birthday, we're gonna party!",

author: "25 Cent",

date: "2011-12-02T17:57:28.556094Z"

}

]

},

{

id: 2,

name:'Vadonut',

image: 'assets/images/vadonut.png',

category: 'appetizer',

label:'New',

price:'1.99',

description:'A quintessential ConFusion experience, is it a vada or is it a donut?',

comments: [

{

id: 0,

rating: 5,

comment: "Imagine all the eatables, living in conFusion!",

author: "John Lemon",

date: "2012-10-16T17:57:28.556094Z"

},

{

id: 1,

rating: 4,

comment: "Sends anyone to heaven, I wish I could get my mother-in-law to eat it!",

author: "Paul McVites",

date: "2014-09-05T17:57:28.556094Z"

},

{

id: 2,

rating: 3,

comment: "Eat it, just eat it!",

author: "Michael Jaikishan",

date: "2015-02-13T17:57:28.556094Z"

},

{

id: 3,

rating: 4,

comment: "Ultimate, Reaching for the stars!",

author: "Ringo Starry",

date: "2013-12-02T17:57:28.556094Z"

},

{

id: 4,

rating: 2,

comment: "It's your birthday, we're gonna party!",

author: "25 Cent",

date: "2011-12-02T17:57:28.556094Z"

}

]

},

{

id: 3,

name:'ElaiCheese Cake',

image: 'assets/images/elaicheesecake.png',

category: 'dessert',

label:'',

price:'2.99',

description:'A delectable, semi-sweet New York Style Cheese Cake, with Graham cracker crust and spiced with Indian cardamoms',

comments: [

{

id: 0,

rating: 5,

comment: "Imagine all the eatables, living in conFusion!",

author: "John Lemon",

date: "2012-10-16T17:57:28.556094Z"

},

{

id: 1,

rating: 4,

comment: "Sends anyone to heaven, I wish I could get my mother-in-law to eat it!",

author: "Paul McVites",

date: "2014-09-05T17:57:28.556094Z"

},

{

id: 2,

rating: 3,

comment: "Eat it, just eat it!",

author: "Michael Jaikishan",

date: "2015-02-13T17:57:28.556094Z"

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{

id: 3,

rating: 4,

comment: "Ultimate, Reaching for the stars!",

author: "Ringo Starry",

date: "2013-12-02T17:57:28.556094Z"

},

{

id: 4,

rating: 2,

comment: "It's your birthday, we're gonna party!",

author: "25 Cent",

date: "2011-12-02T17:57:28.556094Z"

}

]

}

];

* Open App.js and update it as follows:

. . .

import { DISHES } from './shared/dishes';

. . .

class App extends Component {

constructor(props) {

super(props);

this.state = {

dishes: DISHES

};

}

. . .

<Menu dishes={this.state.dishes} />

. . .

* 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.