### React Components Part 1

#### Exercise Resources

<images.zip>

#### Objectives and Outcomes

In this exercise you will add the first component to your React application and update its view using JSX. At the end of this exercise you will be able to:

* Add components to your React application
* Use JSX to define the views of your component.

#### Adding a Menu Component

* First, download the images.zip file provided above and then unzip the file. Create a folder named assets in the public folder. Move the resulting images folder containing some PNG files to the React project's public/assets folder. These image files will be useful for our exercises.
* Next, add a new folder named components in the src folder, and create a new file named MenuComponent.js in this folder.
* Add the following code to MenuComponent.js:

import React, { Component } from 'react';

import { Media } from 'reactstrap';

class Menu extends Component {

constructor(props) {

super(props);

this.state = {

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.' },

{

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' },

{

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?' },

{

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' }

],

};

}

render() {

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

return (

<div key={dish.id} className="col-12 mt-5">

<Media tag="li">

<Media left middle>

<Media object src={dish.image} alt={dish.name} />

</Media>

<Media body className="ml-5">

<Media heading>{dish.name}</Media>

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

</Media>

</Media>

</div>

);

});

return (

<div className="container">

<div className="row">

<Media list>

{menu}

</Media>

</div>

</div>

);

}

}

export default Menu;

* Next, open App.js file and update it as follows:

. . .

import Menu from './components/MenuComponent';

. . .

<Menu />

. . .

* Open App.css file and delete all its contents.
* Save all changes and do a Git commit with the message "Components Part 1".

#### Conclusions

In this exercise we added a new component to our React application, added data to its class, and then updated the app to show the information in the web page.