### Single Page Applications Part 2

#### Objectives and Outcomes

In this exercise you will integrate the DishdetailComponent into your single page application. You will use a route parameter in the URL to pass in the details of the selected dish to the DishdetailComponent. At the end of this exercise you will be able to:

* Configure the routes in your React router configuration to enable the use of route parameters within the URL to pass information to a component.

#### Updating to Use Parameters on Routes

* Open MenuComponent.js and add the following changes to it to enable the information about the selected dish to be passed to the DishdetailComponent:

. . .

import { Card, CardImg, CardImgOverlay,

CardTitle, Breadcrumb, BreadcrumbItem } from 'reactstrap';

import { Link } from 'react-router-dom';

function RenderMenuItem ({dish, onClick}) {

return (

<Card>

<Link to={`/menu/${dish.id}`} >

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

<CardImgOverlay>

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

</CardImgOverlay>

</Link>

</Card>

);

}

. . .

return (

<div className="container">

<div className="row">

<Breadcrumb>

<BreadcrumbItem><Link to="/home">Home</Link></BreadcrumbItem>

<BreadcrumbItem active>Menu</BreadcrumbItem>

</Breadcrumb>

<div className="col-12">

<h3>Menu</h3>

<hr />

</div>

</div>

<div className="row">

{menu}

</div>

</div>

);

. . .

* Open MainComponent.js and update it as follows:

. . .

const DishWithId = ({match}) => {

return(

<DishDetail dish={this.state.dishes.filter((dish) => dish.id === parseInt(match.params.dishId,10))[0]}

comments={this.state.comments.filter((comment) => comment.dishId === parseInt(match.params.dishId,10))} />

);

};

. . .

<Route path='/menu/:dishId' component={DishWithId} />

. . .

#### Updating DishDetail Component

* Open DishdetailComponent.js and update it as follows:

. . .

import { Card, CardImg, CardText, CardBody,

CardTitle, Breadcrumb, BreadcrumbItem } from 'reactstrap';

import { Link } from 'react-router-dom';

. . .

return (

<div className="container">

<div className="row">

<Breadcrumb>

<BreadcrumbItem><Link to="/menu">Menu</Link></BreadcrumbItem>

<BreadcrumbItem active>{props.dish.name}</BreadcrumbItem>

</Breadcrumb>

<div className="col-12">

<h3>{props.dish.name}</h3>

<hr />

</div>

</div>

<div className="row">

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

<RenderDish dish={props.dish} />

</div>

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

<RenderComments comments={props.comments} />

</div>

</div>

</div>

);

. . .

#### Adding Breadcrumbs to ContactComponent

* Open ContactComponent.js and add Breadcrumbs to it as follows:

. . .

import { Breadcrumb, BreadcrumbItem } from 'reactstrap';

import { Link } from 'react-router-dom';

. . .

<div className="row">

<Breadcrumb>

<BreadcrumbItem><Link to="/home">Home</Link></BreadcrumbItem>

<BreadcrumbItem active>Contact Us</BreadcrumbItem>

</Breadcrumb>

<div className="col-12">

<h3>Contact Us</h3>

<hr />

</div>

</div>

. . .

* Save all the changes and do a Git commit with the message "Single Page Applications Part 2".

#### Conclusions

In this exercise you have seen the use of parameters within the URL to pass information to another component.