

Exercise (Instructions): 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:

```
1  . . .
2
3  import { Card, CardImg, CardImgOverlay,
4    CardTitle, Breadcrumb, BreadcrumbItem } from 'reactstrap';
5  import { Link } from 'react-router-dom';
6
7  function RenderMenuItem ({dish, onClick}) {
8    return (
9      <Card>
10        <Link to={` /menu/${dish.id}`} >
11          <CardImg width="100%" src={dish.image} alt={dish.name} />
12          <CardImgOverlay>
13            <CardTitle>{dish.name}</CardTitle>
14          </CardImgOverlay>
15        </Link>
16        <h3>Menu</h3>
17        <hr />
18      </div>
19    </div>
20    <div className="row">
21      {menu}
22    </div>
23  </div>
24  );
25  . . .
```

- Open *MainComponent.js* and update it as follows:

```
1  . . .
2
3
4  const DishWithId = ({match}) => {
5    return(
6      <DishDetail dish={this.state.dishes.filter((dish) => dish.id ===
7        parseInt(match.params.dishId,10))[0]}
8        comments={this.state.comments.filter((comment) => comment.dishId ===
9          parseInt(match.params.dishId,10))} />
10    );
11  };
12
13  . . .
14
15  <Route path="/menu/:dishId" component={DishWithId} />
16
17  . . .
18
19  return (
20    <div className="container">
21      <div className="row">
22        <Breadcrumb>
23          <BreadcrumbItem><Link to="/menu">Menu</Link>
24          </BreadcrumbItem>
25          <BreadcrumbItem active={props.dish.name}</BreadcrumbItem>
26        </Breadcrumb>
27        <div className="col-12">
28          <h3>{props.dish.name}</h3>
29          <hr />
30        </div>
31      </div>
32      <div className="row">
33        <div className="col-12 col-md-5 m-1">
34          <RenderDish dish={props.dish} />
35        </div>
36        <div className="col-12 col-md-5 m-1">
37          <RenderComments comments={props.comments} />
38        </div>
39      </div>
40    </div>
41  );
42
43  . . .
44
45  <div className="row">
46    <Breadcrumb>
47      <BreadcrumbItem><Link to="/home">Home</Link></BreadcrumbItem>
```

```
11         <BreadcrumbItem active>Contact Us</BreadcrumbItem>
12     </Breadcrumb>
13     <div className="col-12">
14         <h3>Contact Us</h3>
15         <hr />
16     </div>
17 </div>
18
```

- 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.