

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      </Card>
17    );
18  }
19
20  ...
21
22  return (
23    <div className="container">
24      <div className="row">
25        <Breadcrumb>
26          <BreadcrumbItem><Link to="/home">Home</Link>
27          </BreadcrumbItem>
28          <BreadcrumbItem active>Menu</BreadcrumbItem>
29        </Breadcrumb>
30        <div className="col-12">
31          <h3>Menu</h3>
32          <hr />
33        </div>
34        <div className="row">
35          {menu}
36        </div>
37      </div>
38    );
39  }
40  ...
```

- 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} />
```

Updating DishDetail Component

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

```
1  ...
2
3  import { Card, CardImg, CardText, CardBody,
4  CardTitle, Breadcrumb, BreadcrumbItem } from 'reactstrap';
5  import { Link } from 'react-router-dom';
6
7  ...
8
9  return (
10    <div className="container">
11      <div className="row">
12        <Breadcrumb>
13          <BreadcrumbItem><Link to="/menu">Menu</Link>
14          </BreadcrumbItem>
15          <BreadcrumbItem active={props.dish.name}></BreadcrumbItem>
16        </Breadcrumb>
17        <div className="col-12">
18          <h3>{props.dish.name}</h3>
19          <hr />
20        </div>
21      </div>
22      <div className="row">
23        <div className="col-12 col-md-5 n-1">
24          <RenderDish dish={props.dish} />
25        </div>
26        <div className="col-12 col-md-5 n-1">
27          <RenderComments comments={props.comments} />
28        </div>
29      </div>
30    );
31  ...
```

```
30  
31  
32  
33  
34
```

```
    </div>  
  );  
}
```

Adding Breadcrumbs to ContactComponent

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

```
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18
```

```
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.

Mark as completed

