

Exercise (Instructions): React Components Part 1

Exercise Resources



images

ZIP File

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*:

```
1  import React, { Component } from 'react';
2  import { Media } from 'reactstrap';
3
4  class Menu extends Component {
5    constructor(props) {
6      super(props);
7      this.state = {
8        dishes: [
9          {
10             id: 0,
11             name: 'Uthappizza',
12             image: 'assets/images/uthappizza.png',
13             category: 'mains',
14             label: 'Hot',
15             price: '4.99',
16             description: 'A unique combination of Indian Uthappam (pancake) and
17           {
18             id: 1,
19             name: 'Zucchipakoda',
20             image: 'assets/images/zucchipakoda.png',
21             category: 'mains',
22             label: 'Hot',
23             price: '4.99',
24             description: 'A unique combination of Indian Zucchini and Pakoda (fried)'
25           }
26         ]
27       }
28     }
29   }
```

```

20     image: 'assets/images/zucchinipakoda.png',
21     category: 'appetizer',
22     label: '',
23     price: '1.99',
24     description: 'Deep fried Zucchini coated with mildly spiced Chickpea
25     {
26       id: 2,
27       name: 'Vadonut',
28       image: 'assets/images/vadonut.png',
29       category: 'appetizer',
30       label: 'New',
31       price: '1.99',
32       description: 'A quintessential ConFusion experience, is it a vada or
33     {
34       id: 3,
35       name: 'ElaiCheese Cake',
36       image: 'assets/images/elaicheesecake.png',
37       category: 'dessert',
38       label: '',
39       price: '2.99',
40       description: 'A delectable, semi-sweet New York Style Cheese Cake, w

```

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

```

1   . . .
2
3   import Menu from './components/MenuComponent';
4
5   . . .
6
7       <Menu />
8
9       . . .

```

- 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.