Exercise (Instructions): React Native Components Part 1

Objectives and Outcomes

In this exercise you will start developing the React Native application that you scaffolded out in the earlier exercise. You will add React components, and then use the built-in React Native components and UI components from the React Native Elements library to design your app. At the end of this exercise you will be able to:

- Add React components to your React Native App
- Design the UI for your components using the built-in React Native UI components
- Install and use the UI components from React Native Elements

Exercise Resources

images.zip

dishes.js

Setting up the Components Folder

- First, create a folder named *components* in your project folder.
- Download the *images.zip* file given above, unzip it, and move the *images* folder into the *components* folder created earlier. can use the final stable version.
- Next, create a folder named *shared* in your project folder, and then download the *dishes.js* file given above and move it into the *shared* folder.
- Add a new file named *MainComponent.js* in the *components* folder and update its contents as follows:

```
1   import React, { Component } from 'react';
2   import Menu from './MenuComponent';
3   import { DISHES } from '../shared/dishes';
4
5   class Main extends Component {
6     constructor(props) {
7       super(props);
8       this.state = {
9         dishes: DISHES
10      };
11    }
12
13    render() {
14
15      return (
16          <Menu dishes={this.state.dishes} />
17      );
18    }
19  }
20
21  export default Main;
```

- Then, add another file named *MenuComponent.js* in the *components* folder and update it as follows:

```
15                    leftAvatar={{ source: require('./images/uthappizza.png')}}
16            />
17        );
18      };
19
20      return (
21          <FlatList
22              data={props.dishes}
23              renderItem={renderMenuItem}
24              keyExtractor={item => item.id.toString()}
25          />
26      );
```

- Next, update *App.js* as follows:

```
1   import React from 'react';
2   import Main from './components/MainComponent';
3
4   export default class App extends React.Component {
5     render() {
6       return (
7         <Main />
8       );
9     }
10  }
```

- Make sure that you are running "yarn start" or "npm start" at the command prompt in a terminal or command window in your project folder.
- Save all the changes and do a Git commit with the message "Components Part 1".

Conclusions

In this exercise you add new React components to your app, and used UI components from React Native and React Native Elements (RNE) to design the UI.