Exercise (Instructions): React Animations

Objectives and Outcomes

In this exercise you will learn to implement animations in your React app using react-transition-group. At the end of this exercise you will be able to:

- Configure your app to use react-transition-group for animations
- Implement simple animation using the react-transition-group

Installing React-Transition-Group

- Install react-transition-group in your React project as follows:

```
1   yarn add react-transition-group@2.3.0
```

- Configure CSS classes for use in animation. Open *App.css* and add the following classes:

```
1    . . .
2
3    .page-enter {
4        opacity: 0.01;
5        transform: translateX(-100%);
6    }
7
8    .page-enter-active {
9        opacity: 1;
10       transform: translateX(0%);
11       transition: all 300ms ease-in;
12   }
13
14   .page-exit {
15       opacity: 1;
16       transform: translateX(0%);
17   }
18
19   .page-exit-active {
20       opacity: 0.01;
21       transform: translateX(100%);
22       transition: all 300ms ease-out;
23   }
24
```

- Then, open MainComponent.js and add in the following to configure the animation:

```
1    . . .
2
3    import { TransitionGroup, CSSTransition } from 'react-transition-group';
4
5    . . .
6
7            <TransitionGroup>
8              <CSSTransition key={this.props.location.key} classNames="page"
                  timeout={300}>
9                <Switch location={this.props.location}>
10                   <Route path='/home' component={HomePage} />
11                   <Route exact path='/aboutus' component={() => <About leaders
                        ={this.props.leaders} />} />} />
12                   <Route exact path='/menu' component={() => <Menu dishes={this
                        .props.dishes} />} />
13                   <Route path='/menu/:dishId' component={DishWithId} />
14                   <Route exact path='/contactus' component={() => <Contact
                        resetFeedbackForm={this.props.resetFeedbackForm} />} />
15                   <Redirect to="/home" />
16               </Switch>
17             </CSSTransition>
18           </TransitionGroup>
19
20    . . .
```

- Save all the changes and do a Git commit with the message "React Animations".

Conclusions

In this exercise we implemented simple animation using react-transition-group.