

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

- 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.

[Mark as completed](#)