

```
1: /**
2:  * l9 Map 1
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {AppRegistry, StyleSheet, Text, View} from 'react-native';
9: import MapView from 'react-native-maps';
10:
11: export default class l9_map extends Component {
12:   render() {
13:     return (
14:       <View style={styles.container}>
15:         <MapView initialRegion={{
16:           latitude: 37.78825,
17:           longitude: -122.4324,
18:           latitudeDelta: 0.0922,
19:           longitudeDelta: 0.0421
20:         }}/>
21:       </View>
22:     );
23:   }
24: }
25:
26: const styles = StyleSheet.create({
27:   container: {
28:     flex: 1,
29:     justifyContent: 'center',
30:     alignItems: 'center',
31:     backgroundColor: '#F5FCFF'
32:   }
33: });
34:
35: AppRegistry.registerComponent('l9_map', () => l9_map);
```

```
1: /**
2:  * 19 Map 10
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {
9:   AppRegistry,
10:  StyleSheet,
11:  Text,
12:  View,
13:  Dimensions,
14:  Image
15: } from 'react-native';
16: var {height, width} = Dimensions.get('window');
17: import MapView from 'react-native-maps';
18:
19: export default class 19_map extends Component {
20:   constructor(props) {
21:     super(props);
22:     this.state = {
23:       region: {
24:         latitude: 13.764884,
25:         longitude: 100.538265,
26:         latitudeDelta: 0.005,
27:         longitudeDelta: 0.005
28:       },
29:       markers: [
30:         {
31:           latlng: {
32:             latitude: 13.764884,
33:             longitude: 100.538265
34:           },
35:           image: require('./images/attention.png'),
36:           photo: require('./images/Victory_Monument.jpg'),
37:           title: "Victory Monument",
38:           description: "A large military monument in Bangkok, Thailand."
39:         },
40:         {
41:           latlng: {
42:             latitude: 13.763681,
43:             longitude: 100.538125
44:           },
45:           image: require('./images/music.png'),
46:           photo: require('./images/Saxophone.jpg'),
47:           title: "Saxophone Club",
48:           description: "A music pub for saxophone lover"
49:         },
50:         {
51:           latlng: {
52:             latitude: 13.764595,
53:             longitude: 100.537438
54:           },
55:           image: require('./images/shopping.png'),
56:           photo: require('./images/coco.jpg'),
57:           title: "Coco Department Store",
58:           description: "Fashion Department Store"
59:         }
60:       ]
61:     };
62:     this.onRegionChange = this.onRegionChange.bind(this);
63:   }
64:   onRegionChange(region) {
65:     this.setState({region});
66:   }
67:
68:   render() {
69:     let coordinates = this.state.markers.map(marker => marker.latlng);
70:     return (
71:       <View style={styles.container}>
72:         <MapView style={styles.map} region={this.state.region}
73:           onRegionChange={this.onRegionChange}>
74:           <MapView.Circle center={this.state.markers[0].latlng}
75:             radius="100" strokeWidth={5} fillColor="#0f0a"/>
76:           <MapView.Polyline coordinates={coordinates}
77:             strokeWidth={5} strokeColor="#00fa"/>

```

```
78:         <MapView.Polygon coordinates={coordinates}
79:           strokeWidth={5} strokeColor="#00fa" fillColor="#0aaa"/>
80:         {this.state.markers.map((marker, i) => (
81:           <MapView.Marker key={i} coordinate={marker.latlng} title={marker.title} descript
ion={marker.description}>
82:             <View style={styles.pin}>
83:               <Image style={styles.pinImage} source={marker.image}/>
84:               <Text style={styles.pinText}>
85:                 {marker.title}
86:               </Text>
87:             </View>
88:             <MapView.Callout>
89:               <View style={styles.callout}>
90:                 <Image style={styles.calloutPhoto} source={marker.photo}/>
91:                 <Text style={styles.calloutTitle}>{marker.title}</Text>
92:                 <Text>{marker.description}</Text>
93:               </View>
94:             </MapView.Callout>
95:           </MapView.Marker>
96:         )})
97:       </MapView>
98:       <View style={styles.container}>
99:         <Text>
100:           Latitude: {this.state.region.latitude}{'\n'}
101:           Longitude: {this.state.region.longitude}{'\n'}
102:           LatitudeDelta: {this.state.region.latitudeDelta}{'\n'}
103:           LongitudeDelta: {this.state.region.longitudeDelta}
104:         </Text>
105:       </View>
106:     </View>
107:   );
108: }
109: }
110:
111: const styles = StyleSheet.create({
112:   container: {
113:     flex: 1,
114:     justifyContent: 'center',
115:     alignItems: 'center',
116:     backgroundColor: '#F5FCFF'
117:   },
118:   map: {
119:     width: width,
120:     height: height*2/3
121:   },
122:   pin: {
123:     backgroundColor: '#fffa',
124:     justifyContent: 'center',
125:     alignItems: 'center',
126:     borderColor: 'black',
127:     borderWidth: 2,
128:     padding: 5,
129:     borderRadius: 10
130:   },
131:   pinImage: {
132:     width: 25,
133:     height: 25
134:   },
135:   pinText: {
136:     color: 'red'
137:   },
138:   callout:{
139:     flex: 1,
140:     paddingRight: 10,
141:     paddingBottom: 10,
142:     marginRight: 10,
143:     marginBottom: 10
144:   },
145:   calloutPhoto:{
146:     flex: 1,
147:     width: 166,
148:     height: 83
149:   },
150:   calloutTitle:{
151:     fontSize: 16,
152:   }
153: });
```

`154:``155: AppRegistry.registerComponent('l9_map', () => l9_map);`

```
1: /**
2:  * l9 Map 2
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {AppRegistry, StyleSheet, Text, View, Dimensions} from 'react-native';
9: var {height, width} = Dimensions.get('window');
10: import MapView from 'react-native-maps';
11:
12: export default class l9_map extends Component {
13:   render() {
14:     return (
15:       <View style={styles.container}>
16:         <MapView style={styles.map} initialRegion={{
17:           latitude: 37.78825,
18:           longitude: -122.4324,
19:           latitudeDelta: 0.9,
20:           longitudeDelta: 1.8
21:         }}/>
22:       </View>
23:     );
24:   }
25: }
26:
27: const styles = StyleSheet.create({
28:   container: {
29:     flex: 1,
30:     justifyContent: 'center',
31:     alignItems: 'center',
32:     backgroundColor: '#F5FCFF'
33:   },
34:   map: {
35:     width: width,
36:     height: height
37:   }
38: });
39:
40: AppRegistry.registerComponent('l9_map', () => l9_map);
```

```
1: /**
2:  * l9 Map 3
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {AppRegistry, StyleSheet, Text, View, Dimensions} from 'react-native';
9: var {height, width} = Dimensions.get('window');
10: import MapView from 'react-native-maps';
11:
12: export default class l9_map extends Component {
13:   constructor(props){
14:     super(props);
15:     this.state = {
16:       region: {
17:         latitude: 37.78825,
18:         longitude: -122.4324,
19:         latitudeDelta: 0.0922,
20:         longitudeDelta: 0.0421,
21:       }
22:     };
23:     this.onRegionChange = this.onRegionChange.bind(this);
24:   }
25:
26:   onRegionChange(region) {
27:     this.setState({ region });
28:   }
29:
30:   render() {
31:     return (
32:       <View style={styles.container}>
33:         <MapView style={styles.map}
34:           region={this.state.region}
35:           onRegionChange={this.onRegionChange}
36:         />
37:         <View style={styles.container}>
38:           <Text>
39:             Latitude: {this.state.region.latitude}{'\n'}
40:             Longitude: {this.state.region.longitude}{'\n'}
41:             LatitudeDelta: {this.state.region.latitudeDelta}{'\n'}
42:             LongitudeDelta: {this.state.region.longitudeDelta}
43:           </Text>
44:         </View>
45:       </View>
46:     );
47:   }
48: }
49:
50: const styles = StyleSheet.create({
51:   container: {
52:     flex: 1,
53:     justifyContent: 'center',
54:     alignItems: 'center',
55:     backgroundColor: '#F5FCFF'
56:   },
57:   map: {
58:     width: width,
59:     height: height*2/3
60:   }
61: });
62:
63: AppRegistry.registerComponent('l9_map', () => l9_map);
```

```
1: /**
2:  * l9 Map 4
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {AppRegistry, StyleSheet, Text, View, Dimensions} from 'react-native';
9: var {height, width} = Dimensions.get('window');
10: import MapView from 'react-native-maps';
11:
12: export default class l9_map extends Component {
13:   constructor(props){
14:     super(props);
15:     this.state = {
16:       region: {
17:         latitude: 37.78825,
18:         longitude: -122.4324,
19:         latitudeDelta: 0.0922,
20:         longitudeDelta: 0.0421,
21:       }
22:     };
23:     this.onRegionChange = this.onRegionChange.bind(this);
24:   }
25:
26:   onRegionChange(region) {
27:     this.setState({ region });
28:   }
29:
30:   render() {
31:     return (
32:       <View style={styles.container}>
33:         <MapView style={styles.map}
34:           mapType="terrain"
35:           showsUserLocation={true}
36:           followsUserLocation={true}
37:           showsCompass={false}
38:           showsPointOfInterest={false}
39:           region={this.state.region}
40:           onRegionChange={this.onRegionChange}
41:         />
42:       <View style={styles.container}>
43:         <Text>
44:           Latitude: {this.state.region.latitude}{'\n'}
45:           Longitude: {this.state.region.longitude}{'\n'}
46:           LatitudeDelta: {this.state.region.latitudeDelta}{'\n'}
47:           LongitudeDelta: {this.state.region.longitudeDelta}
48:         </Text>
49:       </View>
50:     </View>
51:   );
52: }
53: }
54:
55: const styles = StyleSheet.create({
56:   container: {
57:     flex: 1,
58:     justifyContent: 'center',
59:     alignItems: 'center',
60:     backgroundColor: '#F5FCFF'
61:   },
62:   map: {
63:     width: width,
64:     height: height*2/3
65:   }
66: });
67:
68: AppRegistry.registerComponent('l9_map', () => l9_map);
```

```
1: /**
2:  * l9 Map 5
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {AppRegistry, StyleSheet, Text, View, Dimensions} from 'react-native';
9: var {height, width} = Dimensions.get('window');
10: import MapView from 'react-native-maps';
11:
12: export default class l9_map extends Component {
13:   constructor(props){
14:     super(props);
15:     this.state = {
16:       region: {
17:         latitude: 13.764884,
18:         longitude: 100.538265,
19:         latitudeDelta: 0.005,
20:         longitudeDelta: 0.005,
21:       }
22:     };
23:     this.onRegionChange = this.onRegionChange.bind(this);
24:   }
25:
26:   onRegionChange(region) {
27:     this.setState({ region });
28:   }
29:
30:   render() {
31:     return (
32:       <View style={styles.container}>
33:         <MapView style={styles.map}
34:           region={this.state.region}
35:           onRegionChange={this.onRegionChange}
36:         >
37:
38:           <MapView.Marker
39:             coordinate={{latitude: 13.764884, longitude: 100.538265}}
40:             title="Victory Monument"
41:             description="A large military monument in Bangkok, Thailand."
42:           />
43:         </MapView>
44:         <View style={styles.container}>
45:           <Text>
46:             Latitude: {this.state.region.latitude}{'\n'}
47:             Longitude: {this.state.region.longitude}{'\n'}
48:             LatitudeDelta: {this.state.region.latitudeDelta}{'\n'}
49:             LongitudeDelta: {this.state.region.longitudeDelta}
50:           </Text>
51:         </View>
52:       </View>
53:     );
54:   }
55: }
56:
57: const styles = StyleSheet.create({
58:   container: {
59:     flex: 1,
60:     justifyContent: 'center',
61:     alignItems: 'center',
62:     backgroundColor: '#F5FCFF'
63:   },
64:   map: {
65:     width: width,
66:     height: height*2/3
67:   }
68: });
69:
70: AppRegistry.registerComponent('l9_map', () => l9_map);
```



```
1: /**
2:  * 19 Map 6
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {AppRegistry, StyleSheet, Text, View, Dimensions} from 'react-native';
9: var {height, width} = Dimensions.get('window');
10: import MapView from 'react-native-maps';
11:
12: export default class 19_map extends Component {
13:   constructor(props){
14:     super(props);
15:     this.state = {
16:       region: {
17:         latitude: 13.764884,
18:         longitude: 100.538265,
19:         latitudeDelta: 0.005,
20:         longitudeDelta: 0.005,
21:       },
22:       markers:[
23:         {latlng: {latitude: 13.764884, longitude: 100.538265},
24:           title: "Victory Monument" , description: "A large military monument in Bangkok, Th
ailand."},
25:         {latlng: {latitude: 13.763681, longitude: 100.538125},
26:           title: "Saxophone Club" , description: "A music pub for saxophone lover"},
27:         {latlng: {latitude: 13.764595, longitude: 100.537438},
28:           title: "Coco Department Store" , description: "Fashion Department Store"},
29:       ]
30:     };
31:     this.onRegionChange = this.onRegionChange.bind(this);
32:   }
33:
34:   onRegionChange(region) {
35:     this.setState({ region });
36:   }
37:
38:   render() {
39:     return (
40:       <View style={styles.container}>
41:         <MapView style={styles.map}
42:           region={this.state.region}
43:           onRegionChange={this.onRegionChange}
44:         >
45:           {this.state.markers.map((marker,i) => (
46:             <MapView.Marker
47:               key={i}
48:               coordinate={marker.latlng}
49:               title={marker.title}
50:               description={marker.description}
51:             />
52:           ))}
53:         </MapView>
54:         <View style={styles.container}>
55:           <Text>
56:             Latitude: {this.state.region.latitude}{'\n'}
57:             Longitude: {this.state.region.longitude}{'\n'}
58:             LatitudeDelta: {this.state.region.latitudeDelta}{'\n'}
59:             LongitudeDelta: {this.state.region.longitudeDelta}
60:           </Text>
61:         </View>
62:       </View>
63:     );
64:   }
65: }
66:
67: const styles = StyleSheet.create({
68:   container: {
69:     flex: 1,
70:     justifyContent: 'center',
71:     alignItems: 'center',
72:     backgroundColor: '#F5FCFF'
73:   },
74:   map:{
75:     width: width,
76:     height: height*2/3
```

`77: }``78: });``79:``80: AppRegistry.registerComponent('l9_map', () => l9_map);`

```
1: /**
2:  * 19 Map 7
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {AppRegistry, StyleSheet, Text, View, Dimensions} from 'react-native';
9: var {height, width} = Dimensions.get('window');
10: import MapView from 'react-native-maps';
11:
12: export default class 19_map extends Component {
13:   constructor(props){
14:     super(props);
15:     this.state = {
16:       region: {
17:         latitude: 13.764884,
18:         longitude: 100.538265,
19:         latitudeDelta: 0.005,
20:         longitudeDelta: 0.005,
21:       },
22:       markers:[
23:         {latlng: {latitude: 13.764884, longitude: 100.538265},
24:           image: require('./images/attention.png'),
25:           title: "Victory Monument" , description: "A large military monument in Bangkok, Th
ailand."},
26:         {latlng: {latitude: 13.763681, longitude: 100.538125},
27:           image: require('./images/music.png'),
28:           title: "Saxophone Club" , description: "A music pub for saxophone lover"},
29:         {latlng: {latitude: 13.764595, longitude: 100.537438},
30:           image: require('./images/shopping.png'),
31:           title: "Coco Department Store" , description: "Fashion Department Store"},
32:       ]
33:     };
34:     this.onRegionChange = this.onRegionChange.bind(this);
35:   }
36:
37:   onRegionChange(region) {
38:     this.setState({ region });
39:   }
40:
41:   render() {
42:     return (
43:       <View style={styles.container}>
44:         <MapView style={styles.map}
45:           region={this.state.region}
46:           onRegionChange={this.onRegionChange}
47:         >
48:           {this.state.markers.map((marker,i) => (
49:             <MapView.Marker
50:               key={i}
51:               coordinate={marker.latlng}
52:               image={marker.image}
53:               title={marker.title}
54:               description={marker.description}
55:             />
56:           ))}
57:         </MapView>
58:         <View style={styles.container}>
59:           <Text>
60:             Latitude: {this.state.region.latitude}{'\n'}
61:             Longitude: {this.state.region.longitude}{'\n'}
62:             LatitudeDelta: {this.state.region.latitudeDelta}{'\n'}
63:             LongitudeDelta: {this.state.region.longitudeDelta}
64:           </Text>
65:         </View>
66:       </View>
67:     );
68:   }
69: }
70:
71: const styles = StyleSheet.create({
72:   container: {
73:     flex: 1,
74:     justifyContent: 'center',
75:     alignItems: 'center',
76:     backgroundColor: '#F5FCFF'
```

```
77:   },
78:   map:{
79:     width: width,
80:     height: height*2/3
81:   }
82: });
83:
84: AppRegistry.registerComponent('l9_map', () => l9_map);
```

```
1: /**
2:  * 19 Map 8
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {
9:   AppRegistry,
10:  StyleSheet,
11:  Text,
12:  View,
13:  Dimensions,
14:  Image
15: } from 'react-native';
16: var {height, width} = Dimensions.get('window');
17: import MapView from 'react-native-maps';
18:
19: export default class 19_map extends Component {
20:   constructor(props) {
21:     super(props);
22:     this.state = {
23:       region: {
24:         latitude: 13.764884,
25:         longitude: 100.538265,
26:         latitudeDelta: 0.005,
27:         longitudeDelta: 0.005
28:       },
29:       markers: [
30:         {
31:           latlng: {
32:             latitude: 13.764884,
33:             longitude: 100.538265
34:           },
35:           image: require('./images/attention.png'),
36:           title: "Victory Monument",
37:           description: "A large military monument in Bangkok, Thailand."
38:         }, {
39:           latlng: {
40:             latitude: 13.763681,
41:             longitude: 100.538125
42:           },
43:           image: require('./images/music.png'),
44:           title: "Saxophone Club",
45:           description: "A music pub for saxophone lover"
46:         }, {
47:           latlng: {
48:             latitude: 13.764595,
49:             longitude: 100.537438
50:           },
51:           image: require('./images/shopping.png'),
52:           title: "Coco Department Store",
53:           description: "Fashion Department Store"
54:         }
55:       ]
56:     };
57:     this.onRegionChange = this.onRegionChange.bind(this);
58:   }
59:
60:   onRegionChange(region) {
61:     this.setState({region});
62:   }
63:
64:   render() {
65:     return (
66:       <View style={styles.container}>
67:         <MapView style={styles.map} region={this.state.region} onRegionChange={this.onRegion
Change}>
68:           {this.state.markers.map((marker, i) => (
69:             <MapView.Marker key={i} coordinate={marker.latlng} title={marker.title} descript
ion={marker.description}>
70:               <View style={styles.pin}>
71:                 <Image style={styles.pinImage} source={marker.image}/>
72:                 <Text style={styles.pinText}>
73:                   {marker.title}
74:                 </Text>
75:               </View>
```

```
76:         </MapView.Marker>
77:     }}}
78: </MapView>
79: <View style={styles.container}>
80:   <Text>
81:     Latitude: {this.state.region.latitude}{'\n'}
82:     Longitude: {this.state.region.longitude}{'\n'}
83:     LatitudeDelta: {this.state.region.latitudeDelta}{'\n'}
84:     LongitudeDelta: {this.state.region.longitudeDelta}
85:   </Text>
86: </View>
87: </View>
88:   );
89: }
90: }
91:
92: const styles = StyleSheet.create({
93:   container: {
94:     flex: 1,
95:     justifyContent: 'center',
96:     alignItems: 'center',
97:     backgroundColor: '#F5FCFF'
98:   },
99:   map: {
100:     width: width,
101:     height: *2 / 3
102:   },
103:   pin: {
104:     backgroundColor: '#fffa',
105:     justifyContent: 'center',
106:     alignItems: 'center',
107:     borderColor: 'black',
108:     borderWidth: 2,
109:     padding: 5,
110:     borderRadius: 10
111:   },
112:   pinImage: {
113:     width: 25,
114:     height: 25
115:   },
116:   pinText: {
117:     color: 'red'
118:   }
119: });
120:
121: AppRegistry.registerComponent('l9_map', () => l9_map);
```

```
1: /**
2:  * 19 Map 9
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {
9:   AppRegistry,
10:  StyleSheet,
11:  Text,
12:  View,
13:  Dimensions,
14:  Image
15: } from 'react-native';
16: var {height, width} = Dimensions.get('window');
17: import MapView from 'react-native-maps';
18:
19: export default class 19_map extends Component {
20:   constructor(props) {
21:     super(props);
22:     this.state = {
23:       region: {
24:         latitude: 13.764884,
25:         longitude: 100.538265,
26:         latitudeDelta: 0.005,
27:         longitudeDelta: 0.005
28:       },
29:       markers: [
30:         {
31:           latlng: {
32:             latitude: 13.764884,
33:             longitude: 100.538265
34:           },
35:           image: require('./images/attention.png'),
36:           photo: require('./images/Victory_Monument.jpg'),
37:           title: "Victory Monument",
38:           description: "A large military monument in Bangkok, Thailand."
39:         },
40:         {
41:           latlng: {
42:             latitude: 13.763681,
43:             longitude: 100.538125
44:           },
45:           image: require('./images/music.png'),
46:           photo: require('./images/Saxophone.jpg'),
47:           title: "Saxophone Club",
48:           description: "A music pub for saxophone lover"
49:         },
50:         {
51:           latlng: {
52:             latitude: 13.764595,
53:             longitude: 100.537438
54:           },
55:           image: require('./images/shopping.png'),
56:           photo: require('./images/coco.jpg'),
57:           title: "Coco Department Store",
58:           description: "Fashion Department Store"
59:         }
60:       ];
61:   this.onRegionChange = this.onRegionChange.bind(this);
62: }
63:
64: onRegionChange(region) {
65:   this.setState({region});
66: }
67:
68: render() {
69:   return (
70:     <View style={styles.container}>
71:       <MapView style={styles.map} region={this.state.region} onRegionChange={this.onRegion
Change}>
72:         {this.state.markers.map((marker, i) => (
73:           <MapView.Marker key={i} coordinate={marker.latlng} title={marker.title} descript
ion={marker.description}>
74:             <View style={styles.pin}>
75:               <Image style={styles.pinImage} source={marker.image}/>
```

```
76:         <Text style={styles.pinText}>
77:             {marker.title}
78:         </Text>
79:     </View>
80:     <MapView.Callout>
81:         <View style={styles.callout}>
82:             <Image style={styles.calloutPhoto} source={marker.photo}/>
83:             <Text style={styles.calloutTitle}>{marker.title}</Text>
84:             <Text>{marker.description}</Text>
85:         </View>
86:     </MapView.Callout>
87: </MapView.Marker>
88:     ))}
89: </MapView>
90: <View style={styles.container}>
91:     <Text>
92:         Latitude: {this.state.region.latitude}{'\n'}
93:         Longitude: {this.state.region.longitude}{'\n'}
94:         LatitudeDelta: {this.state.region.latitudeDelta}{'\n'}
95:         LongitudeDelta: {this.state.region.longitudeDelta}
96:     </Text>
97: </View>
98: </View>
99: );
100: }
101: }
102:
103: const styles = StyleSheet.create({
104:     container: {
105:         flex: 1,
106:         justifyContent: 'center',
107:         alignItems: 'center',
108:         backgroundColor: '#F5FCFF'
109:     },
110:     map: {
111:         width: width,
112:         height: height*2/3
113:     },
114:     pin: {
115:         backgroundColor: '#fffa',
116:         justifyContent: 'center',
117:         alignItems: 'center',
118:         borderColor: 'black',
119:         borderWidth: 2,
120:         padding: 5,
121:         borderRadius: 10
122:     },
123:     pinImage: {
124:         width: 25,
125:         height: 25
126:     },
127:     pinText: {
128:         color: 'red'
129:     },
130:     callout:{
131:         flex: 1,
132:         paddingRight: 10,
133:         paddingBottom: 10,
134:         marginRight: 10,
135:         marginBottom: 10
136:     },
137:     calloutPhoto:{
138:         flex: 1,
139:         width: 166,
140:         height: 83
141:     },
142:     calloutTitle:{
143:         fontSize: 16,
144:     }
145: });
146:
147: AppRegistry.registerComponent('19_map', () => 19_map);
```



```
1: /**
2:  * l9 Map Travel
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {AppRegistry, StyleSheet, Text, View, Dimensions, TouchableOpacity} from 'react-native';
9:
10: var {height, width} = Dimensions.get('window');
11: import MapView from 'react-native-maps';
12: import LocationButton from './l9_map_travel_locationButton.js';
13:
14: export default class l9_map extends Component {
15:   constructor(props) {
16:     super(props);
17:     this.state = {
18:       region: {
19:         latitude: 13.764884,
20:         longitude: 100.538265,
21:         latitudeDelta: 0.005,
22:         longitudeDelta: 0.005
23:       },
24:       markers: [
25:         {
26:           latlng: {
27:             latitude: 13.764884,
28:             longitude: 100.538265
29:           },
30:           image: require('./images/attention.png'),
31:           title: "Victory Monument",
32:           description: "A large military monument in Bangkok, Thailand."
33:         }, {
34:           latlng: {
35:             latitude: 13.763681,
36:             longitude: 100.538125
37:           },
38:           image: require('./images/music.png'),
39:           title: "Saxophone Club",
40:           description: "A music pub for saxophone lover"
41:         }, {
42:           latlng: {
43:             latitude: 13.764595,
44:             longitude: 100.537438
45:           },
46:           image: require('./images/shopping.png'),
47:           title: "Coco Department Store",
48:           description: "Fashion Department Store"
49:         }
50:       ];
51:   }
52:   this.onRegionChange = this.onRegionChange.bind(this);
53:   this.moveMaptoLocation =
54:     this.moveMaptoLocation.bind(this);
55:
56:   onRegionChange(region) {
57:     this.setState({region});
58:   }
59:
60:   moveMaptoLocation(latlng) {
61:     this.setState({
62:       region: {
63:         latitudeDelta: 0.002,
64:         longitudeDelta: 0.002,
65:         ...latlng,
66:       }
67:     });
68:   }
69:
70:   render() {
71:     return (
72:       <View style={styles.container}>
73:         <MapView style={styles.map} region={this.state.region} onRegionChange={this.onRegion
Change}>
74:           {this.state.markers.map((marker, i) => (<MapView.Marker key={i} coordinate={marker
.latlng} image={marker.image} title={marker.title} description={marker.description}/>))}

```

```
75:         </MapView>
76:         <View style={styles.container}>
77:           {this.state.markers.map((marker, i) => (
78:             <LocationButton key={i}
79:               moveMaptoLocation={this.moveMaptoLocation}
80:               marker={marker}/>
81:           ))}
82:         </View>
83:       </View>
84:     );
85:   }
86: }
87:
88: const styles = StyleSheet.create({
89:   container: {
90:     flex: 1,
91:     justifyContent: 'center',
92:     alignItems: 'center',
93:     backgroundColor: '#F5FCFF'
94:   },
95:   map: {
96:     width: width,
97:     height: height*2/3
98:   }
99: });
100:
101: AppRegistry.registerComponent('l9_map', () => l9_map);
```

```
1: import React, {Component} from 'react';
2: import {AppRegistry, StyleSheet, Text, View, Dimensions, TouchableOpacity} from 'react-native';
3:
4: export default class LocationButton extends Component {
5:   render(){
6:     return (
7:       <TouchableOpacity style={styles.button} onPress={()=>
8:         this.props.moveMaptoLocation(this.props.marker.latlng)}>
9:         <Text>{this.props.marker.title}</Text>
10:       </TouchableOpacity>
11:     );
12:   }
13: }
14:
15: const styles = StyleSheet.create({
16:   button:{
17:     borderRadius: 10,
18:     padding: 10,
19:     backgroundColor: 'lightgray',
20:     borderColor: 'black',
21:     margin: 10
22:   }
23: });
```

```
1: import React, {Component} from 'react';
2: import {AppRegistry, StyleSheet, Text, View, Dimensions, TouchableOpacity} from 'react-native';
3:
4: export default class LocationButton extends Component {
5:   render(){
6:     return (
7:       <TouchableOpacity style={styles.button} onPress={()=>
8:         this.props.moveMaptoLocation(this.props.marker.latlng, this.props.name)}>
9:         <Text>{this.props.marker.title}</Text>
10:       </TouchableOpacity>
11:     );
12:   }
13: }
14:
15: const styles = StyleSheet.create({
16:   button:{
17:     borderRadius: 10,
18:     padding: 10,
19:     backgroundColor: 'lightgray',
20:     borderColor: 'black',
21:     margin: 10
22:   }
23: });
```

```
1: /**
2:  * l9 Map Travel
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {AppRegistry, StyleSheet, Text, View, Dimensions, TouchableOpacity} from 'react-native';
9:
10: var {height, width} = Dimensions.get('window');
11: import MapView from 'react-native-maps';
12: import LocationButton from './l9_map_travel_locationButton.js';
13:
14: export default class l9_map extends Component {
15:   constructor(props) {
16:     super(props);
17:     this.state = {
18:       region: {
19:         latitude: 13.764884,
20:         longitude: 100.538265,
21:         latitudeDelta: 0.005,
22:         longitudeDelta: 0.005
23:       },
24:       markers: [
25:         {
26:           latlng: {
27:             latitude: 13.764884,
28:             longitude: 100.538265
29:           },
30:           image: require('./images/attention.png'),
31:           title: "Victory Monument",
32:           description: "A large military monument in Bangkok, Thailand."
33:         }, {
34:           latlng: {
35:             latitude: 13.763681,
36:             longitude: 100.538125
37:           },
38:           image: require('./images/music.png'),
39:           title: "Saxophone Club",
40:           description: "A music pub for saxophone lover"
41:         }, {
42:           latlng: {
43:             latitude: 13.764595,
44:             longitude: 100.537438
45:           },
46:           image: require('./images/shopping.png'),
47:           title: "Coco Department Store",
48:           description: "Fashion Department Store"
49:         }
50:       ];
51:   }
52:   this.onRegionChange = this.onRegionChange.bind(this);
53:   this.moveMaptoLocation = this.moveMaptoLocation.bind(this);
54:
55:   onRegionChange(region) {
56:     this.setState({region});
57:   }
58:
59:   moveMaptoLocation(latlng) {
60:     this.refs.map.animateToRegion({
61:       latitudeDelta: 0.002,
62:       longitudeDelta: 0.002,
63:       ...latlng,
64:     }, 3000);
65:   }
66:
67:   render() {
68:     return (
69:       <View style={styles.container}>
70:         <MapView ref="map" style={styles.map} region={this.state.region} onRegionChange={this.onRegionChange}>
71:           {this.state.markers.map((marker, i) => (<MapView.Marker key={i} coordinate={marker.latlng} image={marker.image} title={marker.title} description={marker.description}/>))}
72:         </MapView>
73:       <View style={styles.container}>
74:         {this.state.markers.map((marker, i) => (
```

```
75:         <LocationButton key={i}
76:             moveMaptoLocation={this.moveMaptoLocation}
77:             marker={marker}/>
78:         )}}
79:     </View>
80: </View>
81: );
82: }
83: }
84:
85: const styles = StyleSheet.create({
86:   container: {
87:     flex: 1,
88:     justifyContent: 'center',
89:     alignItems: 'center',
90:     backgroundColor: '#F5FCFF'
91:   },
92:   map: {
93:     width: width,
94:     height: height*2/3
95:   }
96: });
97:
98: AppRegistry.registerComponent('l9_map', () => l9_map);
```

```
1: /**
2:  * l9 Map Travel
3:  * https://github.com/kobkrit/learn-react-native
4:  * @flow
5:  */
6:
7: import React, {Component} from 'react';
8: import {
9:   AppRegistry,
10:  StyleSheet,
11:  Text,
12:  View,
13:  Dimensions,
14:  TouchableOpacity
15: } from 'react-native';
16: var {height, width} = Dimensions.get('window');
17: import MapView from 'react-native-maps';
18: import LocationButton from './l9_map_travel_locationButton_opencallout.js';
19:
20: export default class l9_map extends Component {
21:   constructor(props) {
22:     super(props);
23:     this.state = {
24:       region: {
25:         latitude: 13.764884,
26:         longitude: 100.538265,
27:         latitudeDelta: 0.005,
28:         longitudeDelta: 0.005
29:       },
30:       markers: [
31:         {
32:           latlng: {
33:             latitude: 13.764884,
34:             longitude: 100.538265
35:           },
36:           image: require('./images/attention.png'),
37:           title: "Victory Monument",
38:           description: "A large military monument in Bangkok, Thailand."
39:         }, {
40:           latlng: {
41:             latitude: 13.763681,
42:             longitude: 100.538125
43:           },
44:           image: require('./images/music.png'),
45:           title: "Saxophone Club",
46:           description: "A music pub for saxophone lover"
47:         }, {
48:           latlng: {
49:             latitude: 13.764595,
50:             longitude: 100.537438
51:           },
52:           image: require('./images/shopping.png'),
53:           title: "Coco Department Store",
54:           description: "Fashion Department Store"
55:         }
56:       ]
57:     };
58:     this.onRegionChange = this.onRegionChange.bind(this);
59:     this.moveMaptoLocation = this.moveMaptoLocation.bind(this);
60:   }
61:
62:   onRegionChange(region) {
63:     this.setState({region});
64:   }
65:
66:   moveMaptoLocation(latlng, key) {
67:     this.refs.map.animateToRegion({
68:       latitudeDelta: 0.002,
69:       longitudeDelta: 0.002,
70:       ...latlng
71:     }, 1000);
72:     setTimeout(() => {
73:       console.log(this.refs, key);
74:       this.refs[key].showCallout();
75:     }, 1500);
76:   }
77: }
```

```
78:   render() {
79:     return (
80:       <View style={styles.container}>
81:         <MapView ref="map" style={styles.map} region={this.state.region} onRegionChange={this.onRegionChange}>
82:           {this.state.markers.map((marker, i) => (<MapView.Marker key={i} ref={i} coordinate={marker.latlng} image={marker.image} title={marker.title} description={marker.description}/>))}
83:         </MapView>
84:         <View style={styles.container}>
85:           {this.state.markers.map((marker, i) => (<LocationButton key={i} name={i} moveMaptoLocation={this.moveMaptoLocation} marker={marker}/>))}
86:         </View>
87:       </View>
88:     );
89:   }
90: }
91:
92: const styles = StyleSheet.create({
93:   container: {
94:     flex: 1,
95:     justifyContent: 'center',
96:     alignItems: 'center',
97:     backgroundColor: '#F5FCFF'
98:   },
99:   map: {
100:     width: width,
101:     height: height*2 / 3
102:   }
103: });
104:
105: AppRegistry.registerComponent('l9_map', () => l9_map);
```