

| Main Points/Key Points | <div>Notes</div> <div>Routing and Navigation</div> <div><div>1. Routing and Navigation Overview.</div><div><div>a. A single page app (SPA) is not a web app with a single screen but rather it uses a routing system that separates the screens from multiple URLs.</div><div>b. In fact, mobile apps are rarely made up of a single screen. Similar to web application, which you will have multiple links to allow user to navigate to various sections of the web application.</div></div><div>2. Routing and Navigation Library.</div><div><div>a. There are several ways to implement routing and navigation in React Native, but react-navigation works both for native and non-native code (expo).</div></div></div> <div>Native Code Implementation</div> <table><tr><th>Native Code</th></tr><tr><td><div>1. npm install --save react-navigation</div><div>2. npm install --save react-native-gesture-handler</div><div>3. react-native link react-native-gesture-handler</div></td></tr><tr><th>Note</th></tr><tr><td>react-navigation library must be installed within the project folder.</td></tr><tr><th>Import</th></tr><tr><td>import { createStackNavigator, createAppContainer } from "react-navigation";</td></tr></table> | Native Code | <div>1. npm install --save react-navigation</div> <div>2. npm install --save react-native-gesture-handler</div> <div>3. react-native link react-native-gesture-handler</div> | Note | react-navigation library must be installed within the project folder. | Import | import { createStackNavigator, createAppContainer } from "react-navigation"; |
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| | <p style="text-align: center;">Routing and Navigation</p> <ul style="list-style-type: none"> f. Layout your navigation and default screen (RootStack) by using createStackNavigator. g. Create a container component <code><AppContainer /></code> by using createAppContainer to be used in render() function. h. Within the three (3) screens, use this.props.navigation.navigate() props to navigate to default screen (HomeScreen) <p>4. ScreenNavigation Example.</p> <ul style="list-style-type: none"> a. Github ScreenNavigation. <p>5. Other routing and navigation library.</p> <ul style="list-style-type: none"> a. React Native Router Flux (RNRF). It is only working with Native Code implementation. b. React Native Router Flux Documentation. |
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| | <p style="text-align: center;">Routing and Navigation</p> <p>6. References</p> <ol style="list-style-type: none"> a. Dabit, N. (2018). <i>React Native in Action</i>. New York, NY: Manning Publications Co. b. Facebook Inc. React Native Reference, version 0.57. Available at https://facebook.github.io/react-native/ c. Expo.io Documentation, version 31.0.0. Available at https://docs.expo.io/versions/v31.0.0/introduction/ d. React Navigation Documentation, version 3.x. Available at https://reactnavigation.org/docs/en/getting-started.html e. Router Flux Documentation. Available at https://github.com/aksonov/react-native-router-flux/blob/master/docs/API.md |
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