**Installation of Dependencies**

1. Install react-navigation

npm **install** @react-navigation/**native** –save

1. Other supporting libraries [react-native-gesture-handler](https://github.com/software-mansion/react-native-gesture-handler), [react-native-reanimated](https://github.com/software-mansion/react-native-reanimated), [react-native-screens](https://github.com/software-mansion/react-native-screens) and [react-native-safe-area-context](https://github.com/th3rdwave/react-native-safe-area-context) and [@react-native-community/masked-view](https://github.com/react-native-community/react-native-masked-view)

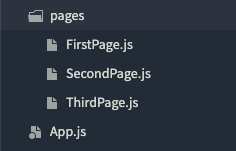
npm **install** react-**native**-reanimated react-**native**-gesture-**handler** react-**native**-screens react-**native**-**safe**-area-**context** @react-**native**-community/masked-**view** –save

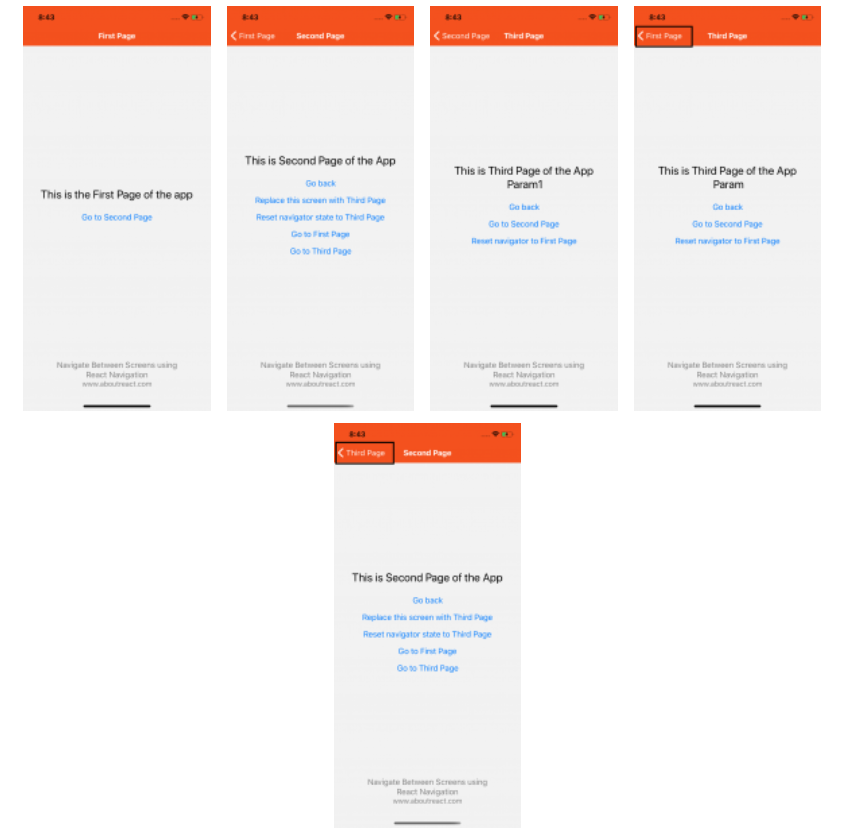
1. For the Stack Navigator install

**npm** **install** @**react**-**navigation**/**stack** –save

**Directory Structure for Example**

To start with this Example you need to create a directory named **pages** in your project and three files under it with the name **FirstPage.js**, **SecondPage.js**, and **ThirdPage.js**





App.js

// Navigate Between Screens using React Navigation in React Native //

// https://aboutreact.com/react-native-stack-navigation //

import 'react-native-gesture-handler';

import \* as React from 'react';

import { Button, View, Text } from 'react-native';

import { NavigationContainer } from '@react-navigation/native';

import { createStackNavigator } from '@react-navigation/stack';

import FirstPage from './pages/FirstPage';

import SecondPage from './pages/SecondPage';

import ThirdPage from './pages/ThirdPage';

const Stack = createStackNavigator();

function App() {

  return (

    <NavigationContainer>

      <Stack.Navigator initialRouteName="FirstPage">

        <Stack.Screen

          name="FirstPage"

          component={FirstPage}

          options={{

            title: 'First Page', //Set Header Title

            headerStyle: {

              backgroundColor: '#f4511e', //Set Header color

            },

            headerTintColor: '#fff', //Set Header text color

            headerTitleStyle: {

              fontWeight: 'bold', //Set Header text style

            },

          }}

        />

        <Stack.Screen

          name="SecondPage"

          component={SecondPage}

          options={{

            title: 'Second Page', //Set Header Title

            headerStyle: {

              backgroundColor: '#f4511e', //Set Header color

            },

            headerTintColor: '#fff', //Set Header text color

            headerTitleStyle: {

              fontWeight: 'bold', //Set Header text style

            },

          }}

        />

        <Stack.Screen

          name="ThirdPage"

          component={ThirdPage}

          options={{

            title: 'Third Page', //Set Header Title

            headerStyle: {

              backgroundColor: '#f4511e', //Set Header color

            },

            headerTintColor: '#fff', //Set Header text color

            headerTitleStyle: {

              fontWeight: 'bold', //Set Header text style

            },

          }}

        />

      </Stack.Navigator>

    </NavigationContainer>

  );

}

export default App;

FirstPage.js

// Navigate Between Screens using React Navigation in React Native //

// https://aboutreact.com/react-native-stack-navigation //

import \* as React from 'react';

import { Button, View, Text, SafeAreaView } from 'react-native';

const FirstPage = ({ navigation }) => {

  return (

    <SafeAreaView style={{ flex: 1 }}>

      <View style={{ flex: 1 , padding: 16}}>

        <View

          style={{

            flex: 1,

            alignItems: 'center',

            justifyContent: 'center',

          }}>

          <Text

            style={{

              fontSize: 25,

              textAlign: 'center',

              marginBottom: 16

            }}>

            This is the First Page of the app

          </Text>

          <Button

            onPress={() => navigation.navigate('SecondPage')}

            title="Go to Second Page"

          />

        </View>

      </View>

    </SafeAreaView>

  );

}

export default FirstPage;

SecondPage.js

// Navigate Between Screens using React Navigation in React Native //

// https://aboutreact.com/react-native-stack-navigation //

import \* as React from 'react';

import { Button, View, Text, SafeAreaView } from 'react-native';

const SecondPage = ({ navigation }) => {

  return (

    <SafeAreaView style={{ flex: 1 }}>

      <View style={{ flex: 1, padding: 16 }}>

        <View

          style={{

            flex: 1,

            alignItems: 'center',

            justifyContent: 'center',

          }}>

          <Text

            style={{

              fontSize: 25,

              textAlign: 'center',

              marginBottom: 16

            }}>

            This is Second Page of the App

          </Text>

          <Button title="Go back" onPress={() => navigation.goBack()} />

          <Button

            title="Go to SecondPage... again"

            onPress={() => navigation.push('SecondPage')}

          />

          <Button

            title="Replace this screen with Third Page"

            onPress={() =>

              navigation.replace('ThirdPage', {

                someParam: 'Param',

              })

            }

          />

          <Button

            title="Reset navigator state to Third Page"

            onPress={() =>

              navigation.reset({

                index: 0,

                routes: [

                  {

                    name: 'ThirdPage',

                    params: { someParam: 'reset' },

                  },

                ],

              })

            }

          />

          <Button title="Go to First Page" onPress={() => navigation.navigate('FirstPage')} />

          <Button

            title="Go to Third Page"

            onPress={() => navigation.navigate('ThirdPage', { someParam: 'Param1' })}

          />

        </View>

      </View>

    </SafeAreaView>

  );

}

export default SecondPage;

ThirdPage.js

// Navigate Between Screens using React Navigation in React Native //

// https://aboutreact.com/react-native-stack-navigation //

import \* as React from 'react';

import { Button, View, Text, SafeAreaView } from 'react-native';

const ThirdPage = ({ route, navigation }) => {

  return (

    <SafeAreaView style={{ flex: 1 }}>

      <View style={{ flex: 1, padding: 16 }}>

        <View

          style={{

            flex: 1,

            alignItems: 'center',

            justifyContent: 'center',

          }}>

          <Text

            style={{

              fontSize: 25,

              textAlign: 'center',

              marginBottom: 16

            }}>

            This is Third Page of the App {'\n'} {route.params.someParam}

          </Text>

          { route.params.someParam != 'reset' ?

            <Button title="Go back" onPress={() => navigation.goBack()} />

            :null

          }

          <Button

            onPress={() => navigation.navigate('SecondPage')}

            title="Go to Second Page"

          />

          <Button

            title="Reset navigator to First Page"

            onPress={() =>

              navigation.reset({

                index: 0,

                routes: [

                  {

                    name: 'FirstPage',

                    params: { someParam: 'reset' },

                  },

                ],

              })

            }

          />

        </View>

       </View>

    </SafeAreaView>

  );

}

export default ThirdPage;