1. **Deeplinking.**
2. npm install @react-navigation/deep-linking

1. Set Up a New React Native Project

npx react-native init DeepLinkingExample cd DeepLinkingExample

2.npm install @react-navigation/native npm install react-native-screens react- native-safe-area-context

**// App.js**

**import \* as React from 'react';**

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

**import { createNativeStackNavigator } from '@react-navigation/native-stack';**

**import HomeScreen from './screens/HomeScreen';**

**import DetailsScreen from './screens/DetailsScreen';**

**const Stack = createNativeStackNavigator();**

**const linking = {**

**prefixes: ['myapp://'],**

**config: {**

**screens: {**

**Home: 'home',**

**Details: 'details/:id',**

**},**

**},**

**};**

**export default function App() {**

**return (**

**<NavigationContainer linking={linking}>**

**<Stack.Navigator initialRouteName="Home">**

**<Stack.Screen name="Home" component={HomeScreen} />**

**<Stack.Screen name="Details" component={DetailsScreen} />**

**</Stack.Navigator>**

**</NavigationContainer>**

**);**

**}**

**// screens/HomeScreen.js**

**import React from 'react';**

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

**export default function HomeScreen({ navigation }) {**

**return (**

**<View>**

**<Text>Home Screen</Text>**

**<Button**

**title="Go to Details"**

**onPress={() => navigation.navigate('Details', { id: 42 })}**

**/>**

**</View>**

**);**

**}**

**4. Configure for iOS**

**a. Add URL Schemes**

Open your ios/YourProjectName/Info.plist and add the URL scheme:

**<key>CFBundleURLTypes</key>**

**<array>**

**<dict>**

**<key>CFBundleURLSchemes</key>**

**<array>**

**<string>myapp</string>**

**</array>**

**</dict>**

**</array>**

**5. Configure for Android**

**a. Modify AndroidManifest.xml**

Open android/app/src/main/AndroidManifest.xml and add the intent filters:

**<manifest xmlns:android="http://schemas.android.com/apk/res/android"**

**package="com.yourappname">**

**<application**

**... >**

**<activity**

**android:name=".MainActivity"**

**...>**

**<intent-filter>**

**<action android:name="android.intent.action.VIEW" />**

**<category android:name="android.intent.category.DEFAULT" />**

**<category android:name="android.intent.category.BROWSABLE" />**

**<data android:scheme="myapp" />**

**</intent-filter>**

**</activity>**

**</application>**

**</manifest>**

**6. Testing Deep Linking**

**a. Testing on iOS**

In the iOS simulator, you can open the URL scheme with:

**xcrun simctl openurl booted myapp://home**

**b. Testing on Android**

In the Android emulator, you can use the following command:

adb shell am start -W -a android.intent.action.VIEW -d "myapp://home" com.yourappname

useEffect(() => {

const handleDeepLink = (event) => {

const route = event.url.replace(/.\*?:\/\//g, '');

if (route === 'details/42') {

navigation.navigate('Details', { id: 42 });

}

};

Linking.addEventListener('url', handleDeepLink);

return () => {

Linking.removeEventListener('url', handleDeepLink);

};

}, []);