

# React-Native

안드로이드 개발팀 - 노원상 연구원

# INDEX

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-  01 구조
-  02 코드구현
-  03 네비게이션
-  04 실전코딩

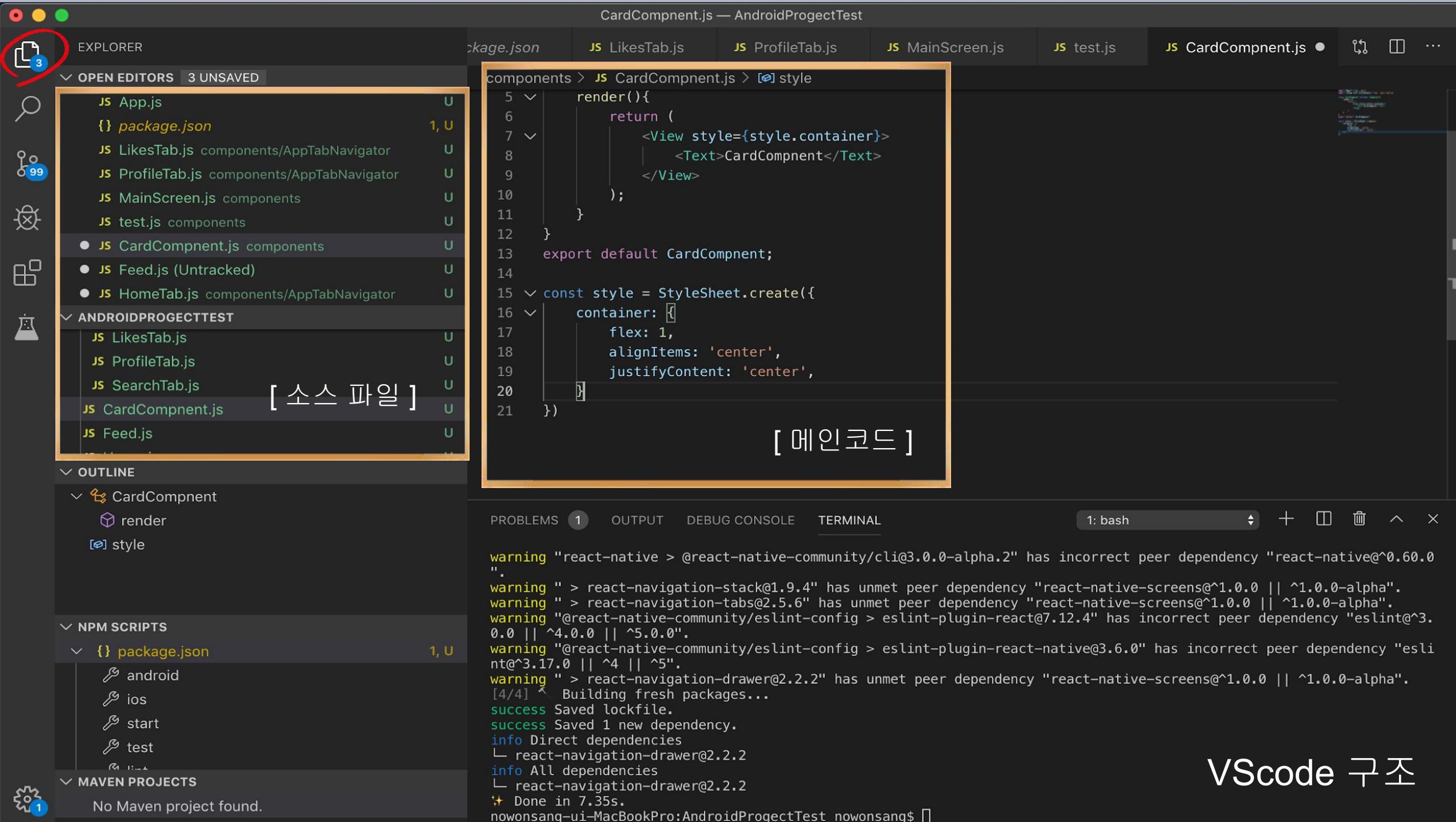




# 01 구조

1. VScode 구조

2. 파일구조



# VScode 구조

CardComponent.js — AndroidProjectTest

SEARCH  3 

<Text>CardComponent</Text> Aa Ab \*

Replace AB ...

1 result in 1 file

local.properties android 1

sdk.dir = /Users/nowonsang/Library/Android/sdk/

[ 검색 내용 ]

components > JS CardComponent.js > [style] style

```
5 render(){
6     return (
7         <View style={style.container}>
8             <Text>CardComponent</Text>
9         </View>
10    );
11 }
12 }
13 export default CardComponent;
```

15 const style = StyleSheet.create({
16 container: [
17 flex: 1,
18 alignItems: 'center',
19 justifyContent: 'center',
20 ]
21 })

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL 1: bash + □ ×

```
warning "react-native > @react-native-community/cli@3.0.0-alpha.2" has incorrect peer dependency "react-native@^0.60.0".
warning " > react-navigation-stack@1.9.4" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".
warning " > react-navigation-tabs@2.5.6" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".
warning "@react-native-community/eslint-config > eslint-plugin-react@7.12.4" has incorrect peer dependency "eslint@^3.0.0 || ^4.0.0 || ^5.0.0".
warning "@react-native-community/eslint-config > eslint-plugin-react-native@3.6.0" has incorrect peer dependency "eslint@^3.17.0 || ^4 || ^5".
warning " > react-navigation-drawer@2.2.2" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".
[4/4] Building fresh packages...
success Saved lockfile.
success Saved 1 new dependency.
info Direct dependencies
└ react-navigation-drawer@2.2.2
info All dependencies
└ react-navigation-drawer@2.2.2
star Done in 7.35s.
```

nowonsang-ui-MacBookPro:AndroidProjectTest nowonsang\$

VScode 구조

HomeTab.js (Untracked) — AndroidProjectTest

SOURCE CONTROL: GIT

Message (#Enter to commit on 'master')

- ic\_launcher\_round.png android/app/src/main/re...
- ic\_launcher.png android/app/src/main/res/mipm...
- ic\_launcher\_round.png android/app/src/main/re...
- ic\_launcher.png android/app/src/main/res/mipm...
- ic\_launcher\_round.png android/app/src/main/re...
- ic\_launcher.png android/app/src/main/res/mipm...
- strings.xml android/app/src/main/res/values
- styles.xml android/app/src/main/res/values
- gradle-wrapper.jar android/gradle/wrapper
- gradle-wrapper.properties android/gradle/wrap...
- beomwoo.png assets
- react\_native.jpeg assets
- CardComponent.js components
- Feed.js components
- Home.js components
- MainScreen.js components
- Profile.js components
- test.js components
- HomeTab.js components/AppTabNavi...
- LikesTab.js components/AppTabNavigator
- ProfileTab.js components/AppTabNavigator
- SearchTab.js components/AppTabNavigator
- Podfile ios
- AppDelegate.h ios/AndroidProjectTest
- AppDelegate.m ios/AndroidProjectTest
- Info.plist ios/AndroidProjectTest
- main.m ios/AndroidProjectTest
- LaunchScreen.xib ios/AndroidProjectTest/Base....
- Contents.json ios/AndroidProjectTest/Images.xc...

[ 변경, 추가 코드된 파일 ]

JS LikesTab.js JS ProfileTab.js (Untracked) JS HomeTab.js (Untracked) ● JS ProfileTab.js

components > AppTabNavigator > JS HomeTab.js > ...

1 —

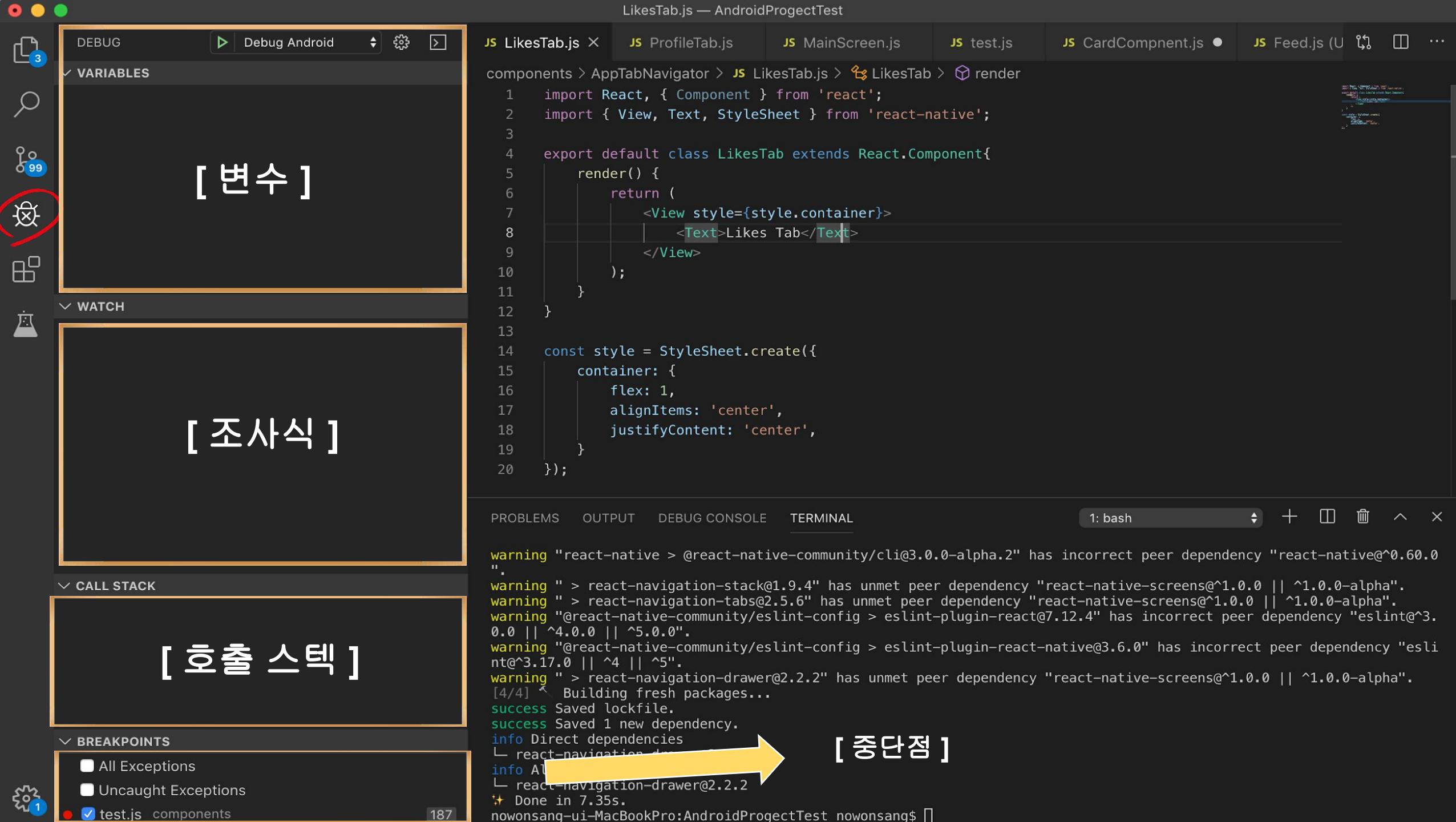
[ 코드 내용 ]

```
1+import React from 'react'
2+import {StyleSheet,Text,View} from 'react-native';
3+
4+export default class HomeTab extends React.Component{
5+    render(){
6+        return (
7+            <View style={styles.container}>
8+                <Text>hello from Profiles</Text>
9+            </View>
10+
11+        );
12+    }
13+//dddd
14+}
15+const styles = StyleSheet.create({
16+    container:{
17+        flex : 1,
18+        backgroundColor:'#fff',
19+        alignItems:'center',
20+        justifyContent:'center'
21+    },
22+}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

warning "react-native > @react-native-community/cli@3.0.0-alpha.2" has incorrect peer dependency "react-native@^0.60.0".  
warning " > react-navigation-stack@1.9.4" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".  
warning " > react-navigation-tabs@2.5.6" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".  
warning "@react-native-community/eslint-config > eslint-plugin-react@7.12.4" has incorrect peer dependency "eslint@^3.0.0 || ^4.0.0 || ^5.0.0".  
warning "@react-native-community/eslint-config > eslint-plugin-react-native@3.6.0" has incorrect peer dependency "eslint@^3.17.0 || ^4 || ^5".  
warning " > react-navigation-drawer@2.2.2" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".  
[4/4] Building fresh packages...  
success Saved lockfile.  
success Saved 1 new dependency.  
info Direct dependencies  
└ react-navigation-drawer@2.2.2  
info All dependencies  
└ react-navigation-drawer@2.2.2  
★ Done in 7.35s.

nowonsang-ui-MacBookPro:AndroidProjectTest nowonsang\$



**[ 설치 & 설명 ]**

**React Native Tools** msjsdiag.vscode-react-native

Microsoft | 994,908 | ★★★★★ | Repository | License

Debugging and integrated commands for React Native

**Disable** **Uninstall** This extension is enabled globally.

**Details Contributions Changelog Dependencies**

## React Native Tools

Azure Pipelines succeeded

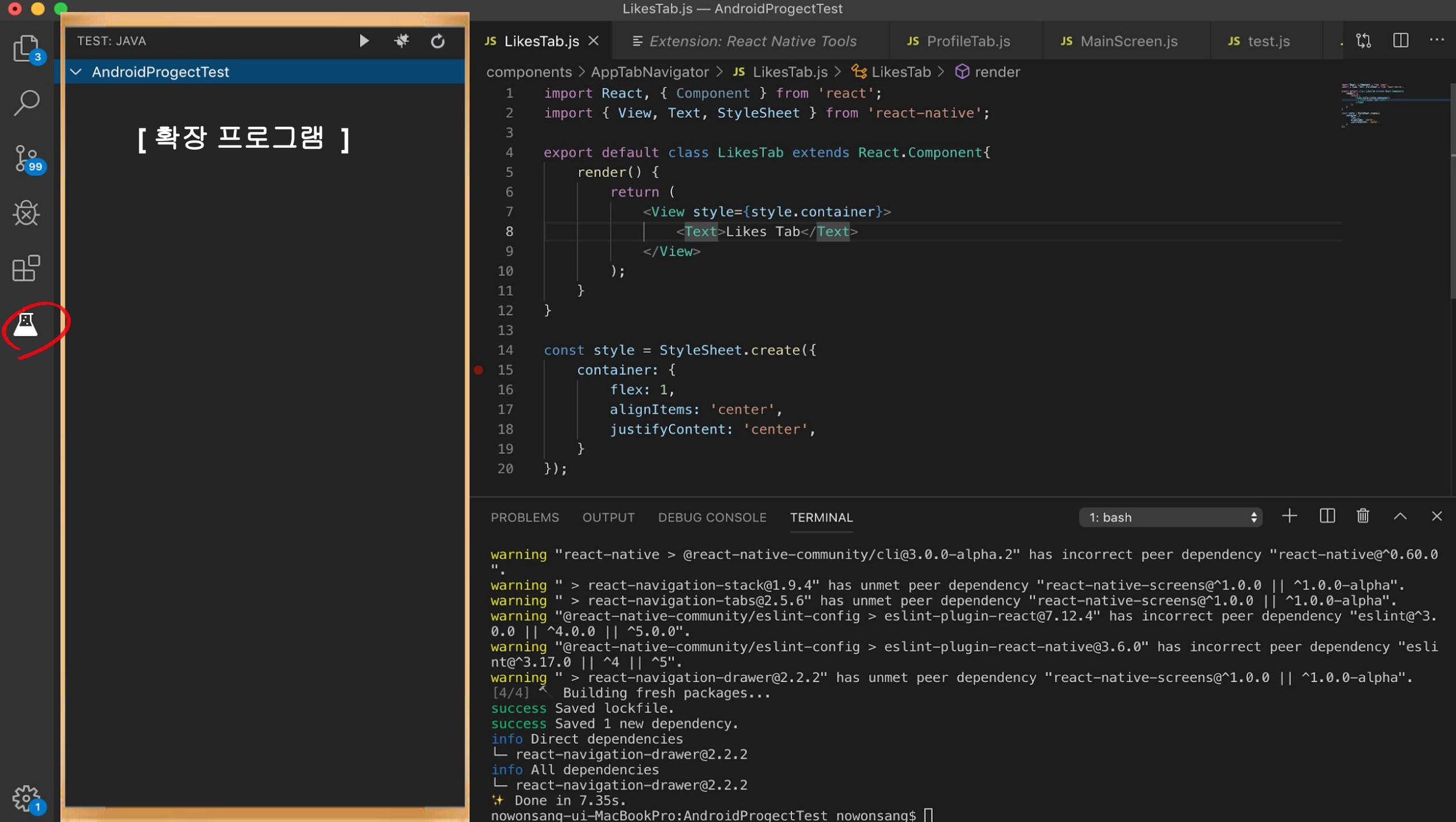
This extension provides a development environment for React Native projects. Using this extension, you can debug your code and quickly run `react-native` commands from the command palette.

**PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL**

1: bash

```
warning "react-native > @react-native-community/cli@3.0.0-alpha.2" has incorrect peer dependency "react-native@^0.60.0".
warning " > react-navigation-stack@1.9.4" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".
warning " > react-navigation-tabs@2.5.6" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".
warning "@react-native-community/eslint-config > eslint-plugin-react@7.12.4" has incorrect peer dependency "eslint@^3.0.0 || ^4.0.0 || ^5.0.0".
warning "@react-native-community/eslint-config > eslint-plugin-react-native@3.6.0" has incorrect peer dependency "eslint@^3.17.0 || ^4 || ^5".
warning " > react-navigation-drawer@2.2.2" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".
[4/4] Building fresh packages...
success Saved lockfile.
success Saved 1 new dependency.
info Direct dependencies
└ react-navigation-drawer@2.2.2
info All dependencies
└ react-navigation-drawer@2.2.2
✨ Done in 7.35s.

nowonsang-ui-MacBookPro:AndroidProjectTest nowonsang$
```





TEST: JAVA



JS LikesTab.js X

Extension: React Native Tools

JS ProfileTab.js

JS MainScreen.js

JS test.js



AndroidProjectTest

components &gt; AppTabNavigator &gt; JS LikesTab.js &gt; LikesTab &gt; render

```
1 import React, { Component } from 'react';
2 import { View, Text, StyleSheet } from 'react-native';
3
4 export default class LikesTab extends React.Component{
5     render() {
6         return (
7             <View style={style.container}>
8                 <Text>Likes Tab</Text>
9             </View>
10        );
11    }
12 }
13
14 const style = StyleSheet.create({
15     container: {
16         flex: 1,
17         alignItems: 'center',
18         justifyContent: 'center',
19     }
20});
```

## [ 단축기 & 세팅 ]

Command Palette...



Settings [⌘,]

Online Services Settings

Extensions

Keyboard Shortcuts [⌘K ⌘S]

Keymaps [⌘K ⌘M]

User Snippets

Color Theme [⌘K ⌘T]

File Icon Theme

Restart to Update

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: bash



```
warning "react-native > @react-native-community/cli@3.0.0-alpha.2" has incorrect peer dependency "react-native@^0.60.0".
warning " > react-navigation-stack@1.9.4" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".
warning " > react-navigation-tabs@2.5.6" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".
warning "@react-native-community/eslint-config > eslint-plugin-react@7.12.4" has incorrect peer dependency "eslint@^3.0.0 || ^4.0.0 || ^5.0.0".
warning "@react-native-community/eslint-config > eslint-plugin-react-native@3.6.0" has incorrect peer dependency "eslint@^3.17.0 || ^4 || ^5".
warning " > react-navigation-drawer@2.2.2" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".
[4/4] Building fresh packages...
success Saved lockfile.
success Saved 1 new dependency.
info Direct dependencies
└ react-navigation-drawer@2.2.2
info All dependencies
└ react-navigation-drawer@2.2.2
✨ Done in 7.35s.
```

nowonsang-ui-MacBookPro:AndroidProjectTest nowonsang\$



CardComponent.js — AndroidProjectTest

EXPLORER OPEN EDITORS 3 UNSAVED

JS App.js JS package.json 1, U

{ } package.json 1, U

JS LikesTab.js components/AppTabNavigator U

JS ProfileTab.js components/AppTabNavigator U

JS MainScreen.js components U

JS test.js components U

● JS CardComponent.js components U

● JS Feed.js (Untracked) U

● JS HomeTab.js components/AppTabNavigator U

ANDROIDPROJECTTEST

JS LikesTab.js U

JS ProfileTab.js U

JS SearchTab.js U

JS CardComponent.js U

JS Feed.js U

JS Home.js U

OUTLINE

✓ CardComponent

- render
- [style]

NPM SCRIPTS

✓ { } package.json 1, U

- android
- ios
- start
- test
- ...

MAVEN PROJECTS

No Maven project found.

CardComponent.js — AndroidProjectTest

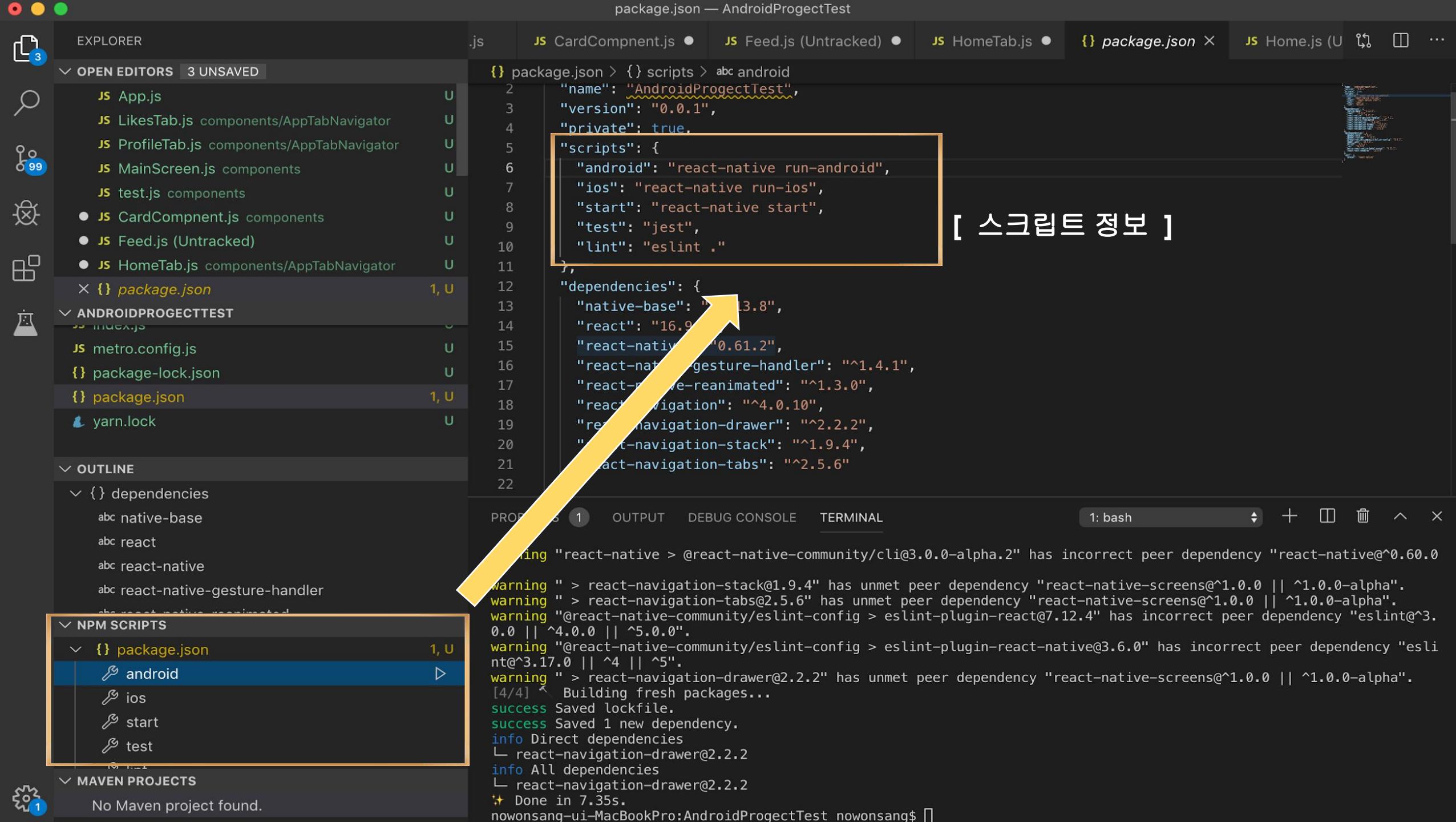
components > JS CardComponent.js > [style]

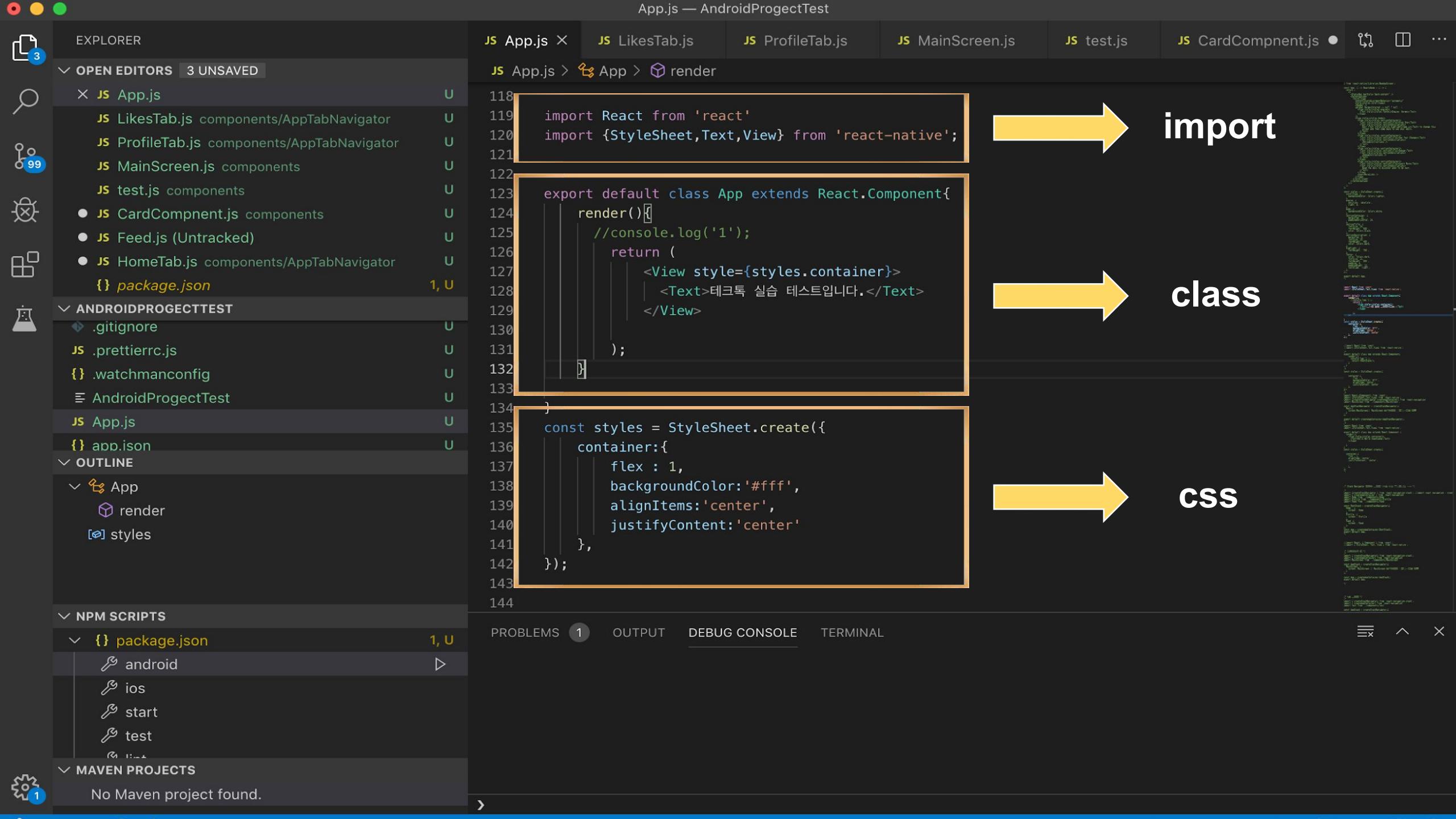
```
5 render(){}
6   return (
7     <View style={style.container}>
8       <Text>CardComponent</Text>
9     </View>
10   );
11 }
12 }
13 export default CardComponent;
14
15 const style = StyleSheet.create({
16   container: {
17     flex: 1,
18     alignItems: 'center',
19     justifyContent: 'center',
20   }
21 })
```

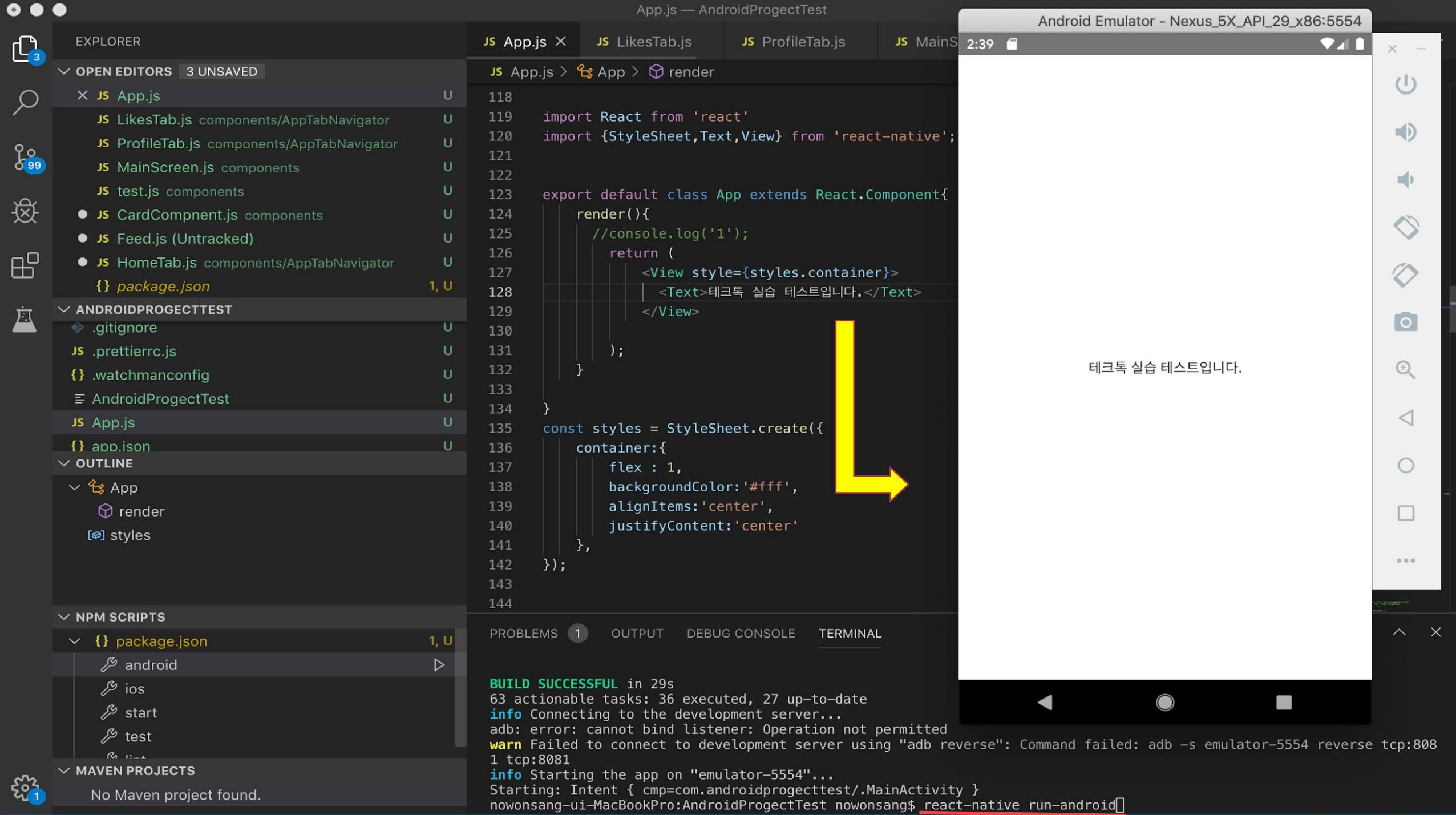
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

1: bash

```
warning "react-native > @react-native-community/cli@3.0.0-alpha.2" has incorrect peer dependency "react-native@^0.60.0".
warning " > react-navigation-stack@1.9.4" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".
warning " > react-navigation-tabs@2.5.6" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".
warning "@react-native-community/eslint-config > eslint-plugin-react@7.12.4" has incorrect peer dependency "eslint@^3.0.0 || ^4.0.0 || ^5.0.0".
warning "@react-native-community/eslint-config > eslint-plugin-react-native@3.6.0" has incorrect peer dependency "eslint@^3.17.0 || ^4 || ^5".
warning " > react-navigation-drawer@2.2.2" has unmet peer dependency "react-native-screens@^1.0.0 || ^1.0.0-alpha".
[4/4] Building fresh packages...
success Saved lockfile.
success Saved 1 new dependency.
info Direct dependencies
└ react-navigation-drawer@2.2.2
info All dependencies
└ react-navigation-drawer@2.2.2
✨ Done in 7.35s.
nowonsang-ui-MacBookPro:AndroidProjectTest nowonsang$
```







**EXPLORER**

**OPEN EDITORS** 3 UNSAVED

- JS Feed.js components
- JS Home.js components
- JS Profile.js components
- { } launch.json .vscode
- X local.properties android**

  - ≡ Keyboard Shortcuts
  - { } app.json
  - JS index.js
  - J MainApplication.java android/app/src/main/jav...

**ANDROIDPROJECTTEST**

- ≡ gradlew
- gradlew.bat
- J local.properties
- settings.gradle
- > assets

**OUTLINE**

The active editor cannot provide outline information.

**NPM SCRIPTS**

- { } package.json 1, U
  - android
  - ios
  - start
  - test
  - ...

**MAVEN PROJECTS**

No Maven project found.

**JS AddMediaTab.js JS Feed.js ● JS Home.js JS Profile.js { } launch.json J local.properties X 🔍 ⏷ ⏸ ⏹**

android > J local.properties

```
1 sdk.dir = /Users/nowonsang/Library/Android/sdk/
```

**sdk 연결**

**PROBLEMS** 1 OUTPUT DEBUG CONSOLE TERMINAL

1: bash + ⏷ ⏸ ⏹ ⏵

```
BUILD SUCCESSFUL in 29s
63 actionable tasks: 36 executed, 27 up-to-date
info Connecting to the development server...
adb: error: cannot bind listener: Operation not permitted
warn Failed to connect to development server using "adb reverse": Command failed: adb -s emulator-5554 reverse tcp:8081
1 tcp:8081
info Starting the app on "emulator-5554"...
Starting: Intent { cmp=com.androidprojecttest/.MainActivity }
nowonsang-ui-MacBookPro:AndroidProjectTest nowonsang$ react-native run-android
```

A wide-angle photograph of the Chicago skyline at sunset. The sky is filled with vibrant orange, yellow, and red clouds. The Willis Tower (formerly Sears Tower) stands prominently in the center, its top illuminated. Other skyscrapers are visible, their windows glowing with lights. In the foreground, there's a dark silhouette of what might be a bridge or a group of buildings.

02

## Navigation

- 1. Stack Navigation
- 2. Tab Navigation
- 3. Drawer Navigation



A wide-angle photograph of the Chicago skyline at sunset. The sky is filled with vibrant orange, yellow, and red clouds. The Willis Tower (formerly Sears Tower) stands prominently in the center, its top illuminated. Other skyscrapers are visible, their windows glowing with lights. In the foreground, there's a dark silhouette of what might be a bridge or a group of people.

02

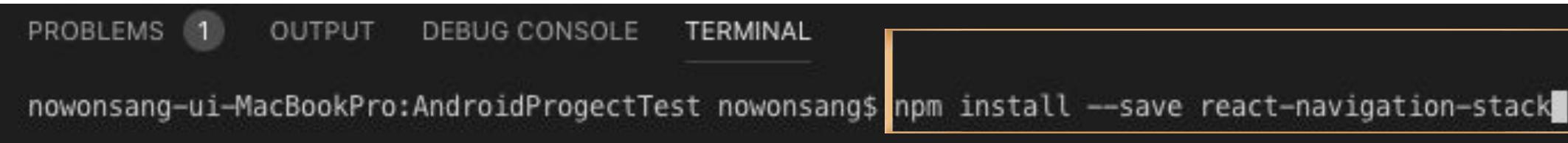
## Navigation



1. Stack Navigation
2. Tab Navigation
3. Drawer Navigation

## 02 Stack Navigation

### Stack - 라이브러리 추가



```
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL
nowonsang-ui-MacBookPro:AndroidProjectTest nowonsang$ npm install --save react-navigation-stack
```

사용 가능한 네비게이션

- createStackNavigator
- StackGestureContext
- Transitioner
- StackView
- StackViewCard
- StackViewTransitionConfigs
- Header
- HeaderTitle
- HeaderBackButton
- HeaderStyleInterpolator



### react-navigation-stack



```
nowonsang$ react-native link native-base
```

## 02 Stack Navigation

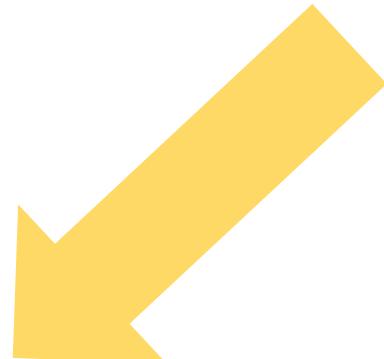
### 기본 UI 추가

(NativeBase)

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

nowonsang-ui-MacBookPro:AndroidProjectTest nowonsang\$ `npm install native-base --save`

Anatomies, Accordions, Action sheet,  
Badges, Buttons, Cards,  
Check Boxes, Date Pickers,  
Dock Swipers, FABS,  
Footer Tabs, Forms,  
Header, Icons, Layouts,  
Lists, Pickers, Radio Buttons,  
Segments, Spinners,  
Swipeable Lists, Tabs,  
Thumbnails, Toasts,  
Typographies, Drawers,  
Refs



UI 기능을 제공



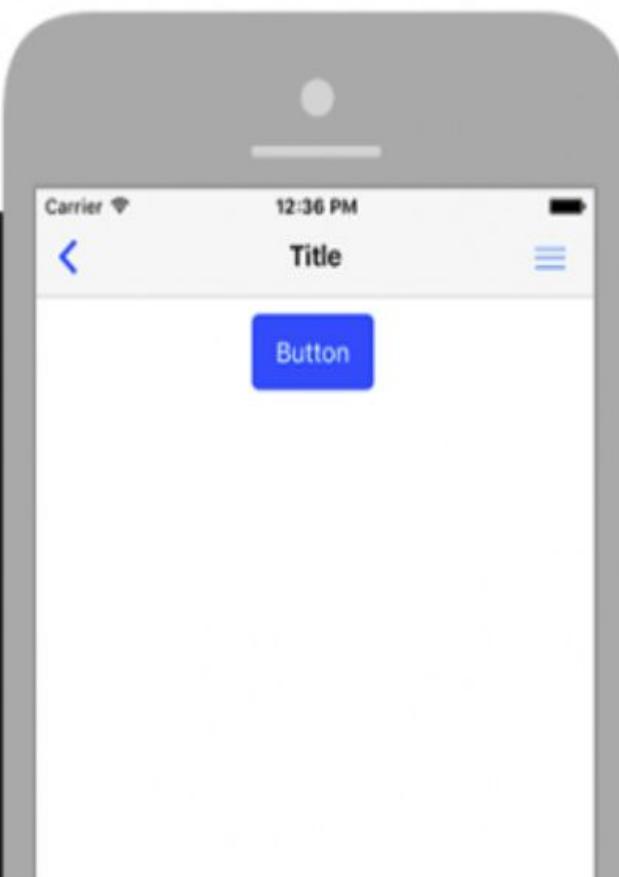
nowonsang\$ react-native link

## 02 Without NativeBase vs With NativeBase

Without NativeBase

```
var style = StyleSheet.create({
  button: {
    backgroundColor: '#99AAFF',
    borderRadius: 5,
    borderWidth: 1,
    borderColor: '#000033'
  }
});

<TouchableOpacity style={style.button}>
  <Text style={{color: 'white'}}>Click me!</Text>
</TouchableOpacity>
```



With NativeBase

```
<Button>
  <Text>Button</Text>
</Button>
```

```
● JS App.js U
JS LikesTab.js components/AppTabNavigator U
JS ProfileTab.js components/AppTabNavigator U
JS MainScreen.js components U
JS test.js components U
JS CardCompnent.js components U
JS HomeTab.js components/AppTabNavigator U
{} package.json 1, U
JS SearchTab.js components/AppTabNavigator U
JS AddMediaTab.js components/AppTabNavigator A
JS Feed.js components U

```

## ANDROIDPROJECTTEST

```
.prettierrc.js U
.watchmanconfig U
AndroidProjectTest U
App.js U
app.json U
babel.config.js U
index.js U

```

## OUTLINE

```
[?] App
[?] RootStack
```

## IPM SCRIPTS

```
{} package.json 1, U
🔗 android ▶
🔗 ios
🔗 start
🔗 test
🔗 lint
```

```
204  */
205
206
207
208
209
210
211 /* Stack Navigator 생성시 버튼클릭해서 해당 액티비티로 이동 */
212
213 import {createStackNavigator } from 'react-navigation-stack'; //import react navigation - createStackNavigator
214 import { createAppContainer } from 'react-navigation'
215 import Home from './components/Home'
216 import Profile from './components/Profile'
217 import Feed from './components/Feed'
218
219
220 const RootStack = createStackNavigator({
221   Home : {
222     screen : Home
223   },
224   Profile :{
225     screen : Profile
226   },
227   Feed :{
228     screen : Feed
229   },
230 })
231 const App = createAppContainer(RootStack);
232 export default App;
233
234
235
236
237 //import React, { Component } from 'react';
238 //import { StyleSheet, Text, View } from 'react-native';
239
240
241 /* 인스타그램 UI */
242 /*
243 import { createStackNavigator} from 'react-navigation-stack';
244 import { createAppContainer} from 'react-navigation'
```

## Main.js

The screenshot shows the VS Code interface with the following details:

- EXPLORER** sidebar:
  - OPEN EDITORS: 1 UNSAVED
  - JS MainScreen.js components
  - JS test.js components
  - JS CardComponent.js components
  - JS HomeTab.js components/AppTabNavigator
  - { package.json } 1, U
  - JS SearchTab.js components/AppTabNavigator
  - JS AddMediaTab.js components/AppTabNavigator
  - JS Feed.js components
  - X JS Home.js components
  - JS Profile.js components
  - { launch.json } .vscode
- ANDROIDPROJECTTEST** sidebar:
  - components
    - > AppTabNavigator
    - JS CardComponent.js
    - JS Feed.js
    - JS Home.js
    - JS MainScreen.js
    - JS Profile.js
    - JS test.js
  - > ios
  - > node\_modules
  - .buckconfig
- CODE EDITOR**: The Home.js file is open, showing the following code:

```
components > JS Home.js > ...
1 import React from 'react'
2 import {StyleSheet,Text,View,Button} from 'react-native';
3
4
5 export default class Home extends React.Component{
6   render(){
7     //console.log('1');
8     return (
9       <View style={styles.container}>
10         <Button title ="Go To Home Screen"
11           onPress={()=>this.props.navigation.push('Feed')}/>
12       </View>
13     );
14   }
15 }
16
17 }
18 const styles = StyleSheet.create({
19   container:{
20     flex : 1,
21     backgroundColor:'#fff',
22     alignItems:'center',
23     justifyContent:'center'
24   },
25 });
}
```

A large yellow arrow points from the word "components" in the sidebar to the first line of the code editor.
- RIGHT SIDE**:
  - Home.js**
  - Components 파일에 있는 js 소스파일**

OPEN EDITORS 1 UNSAVED

- JS ProfileTab.js components/AppTabNavigator U
- JS MainScreen.js components U
- JS test.js components U
- JS CardComponent.js components U
- JS HomeTab.js components/AppTabNavigator U
- { package.json 1, U
- JS SearchTab.js components/AppTabNavigator U
- JS AddMediaTab.js components/AppTabNavigator A
- X JS Feed.js components U
- JS Home.js components U
- JS Profile.js components U

ANDROIDPROJECTTEST

- > assets ●
- components
  - > AppTabNavigator ●
  - JS CardComponent.js U
  - JS Feed.js U
  - JS Home.js U
  - JS MainScreen.js U
  - JS Profile.js U
  - JS test.js U
- > ios ●
- > node\_modules

OUTLINE

- Feed
  - render
  - [ styles ]

components > JS Feed.js > ...

```
1 import React from 'react'
2 import {StyleSheet,Text,View} from 'react-native';
3
4
5 export default class Feed extends React.Component{
6   render(){
7     //console.log('1');
8     return (
9       <View style={styles.container}>
10      <Text>hello from Feeds</Text>
11      </View>
12    );
13  }
14}
15
16
17 const styles = StyleSheet.create({
18   container:{
19     flex : 1,
20     backgroundColor:'#fff',
21     alignItems:'center',
22     justifyContent:'center'
23   },
24 });


```

## Feed.js

EXPLORER

OPEN EDITORS 2 UNSAVED

- JS ProfileTab.js components/AppTabNavigator
- JS MainScreen.js components
- JS test.js components
- JS CardComponent.js components
- JS HomeTab.js components/AppTabNavigator
- { package.json 1, U
- JS SearchTab.js components/AppTabNavigator
- JS AddMediaTab.js components/AppTabNavigator A
- JS Feed.js components
- JS Home.js components
- JS Profile.js components U

ANDROIDPROJECTTEST

- JS CardComponent.js
- JS Feed.js
- JS Home.js
- JS MainScreen.js
- JS Profile.js
- JS test.js
- > ios
- > node\_modules
- ≡ .buckconfig
- ≡ .eslintrc.js
- ≡ .flowconfig

OUTLINE

Profiles

MainScreen.js test.js CardComponent.js HomeTab.js package.json

components > JS Profile.js > ...

```
1 import React from 'react'
2 import {StyleSheet,Text,View} from 'react-native';
3
4
5 export default class Profiles extends React.Component{
6   render(){
7     //console.log('1');
8     return (
9       <View style={styles.container}>
10         <Text>hello from Profiles</Text>
11       </View>
12     );
13   }
14 }
15
16
17 const styles = StyleSheet.create({
18   container:{
19     flex : 1,
20     backgroundColor:'#fff',
21     alignItems:'center',
22     justifyContent:'center'
23   },
24 });

Profile.js
```

## 02 React-native run-android로 실행



GO TO HOME SCREEN

클릭시 이벤트  
설행



hello from Feeds



A wide-angle photograph of the Chicago skyline at sunset. The sky is filled with vibrant orange, yellow, and red clouds. The Willis Tower (formerly Sears Tower) stands prominently in the center, its top illuminated. Other skyscrapers are visible, their windows glowing with lights. In the foreground, there's a dark silhouette of what might be a bridge or a group of buildings.

02

## Navigation



1. Stack Navigation

2. Tab Navigation

3. Drawer Navigation

## 02 Tab Navigation



### 1. react-navigation-tabs

---

```
:46:16 on ttys001
nowonsang$ npm install --save react-navigation-tabs
```

### 2. link 연결

---

---

```
16:46:16 on ttys001
o:~ nowonsang$ react-native link react-navigation-tabs
```

## 02 Tab Navigation

```
import React from 'react'
import {StyleSheet,Text,View,Image} from 'react-native'
import {createBottomTabNavigator} from 'react-navigation-tabs'
import { Icon,Container, Content,Card,CardItem,Thumbnail,Body,Left, Right, Button} from 'native-base'

//import CardComponent from '../components/CardComponent'

class Home extends React.Component{

  static navigationOptions = {
    title: 'Home',
    tabBarIcon: ({ tintColor }) => (
      <Icon name='ios-home' style={{ color: tintColor }} />
    )
  }

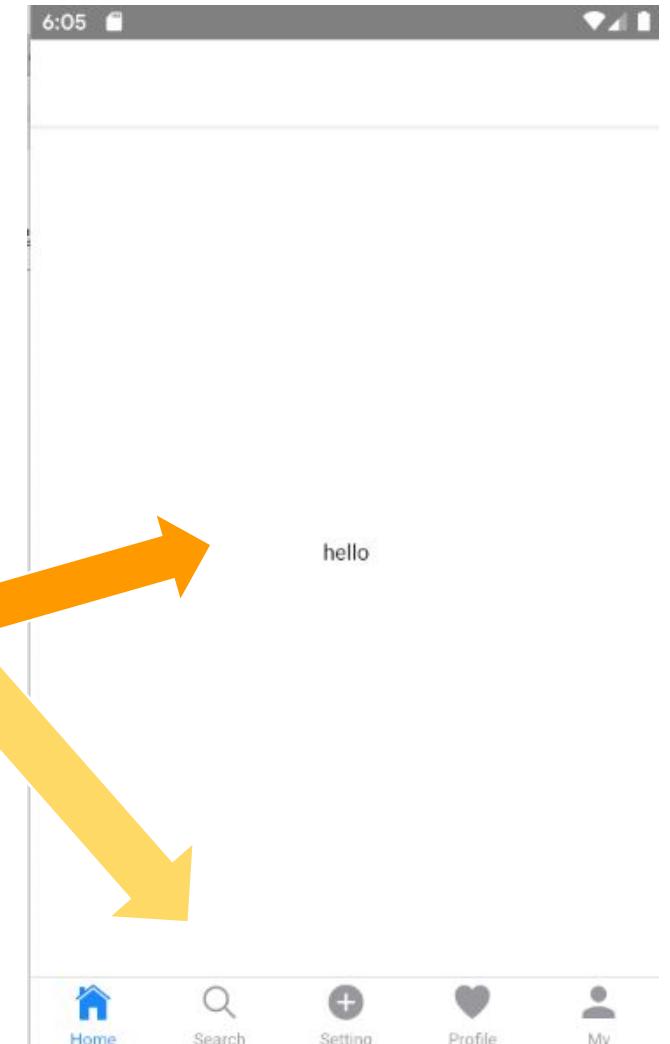
  render(){
    return (
      <View style={styles.container}>
        <Text>hello</Text>
      </View>
    );
  }
}
```

1. 라이브러리 import

2. NavigationOption

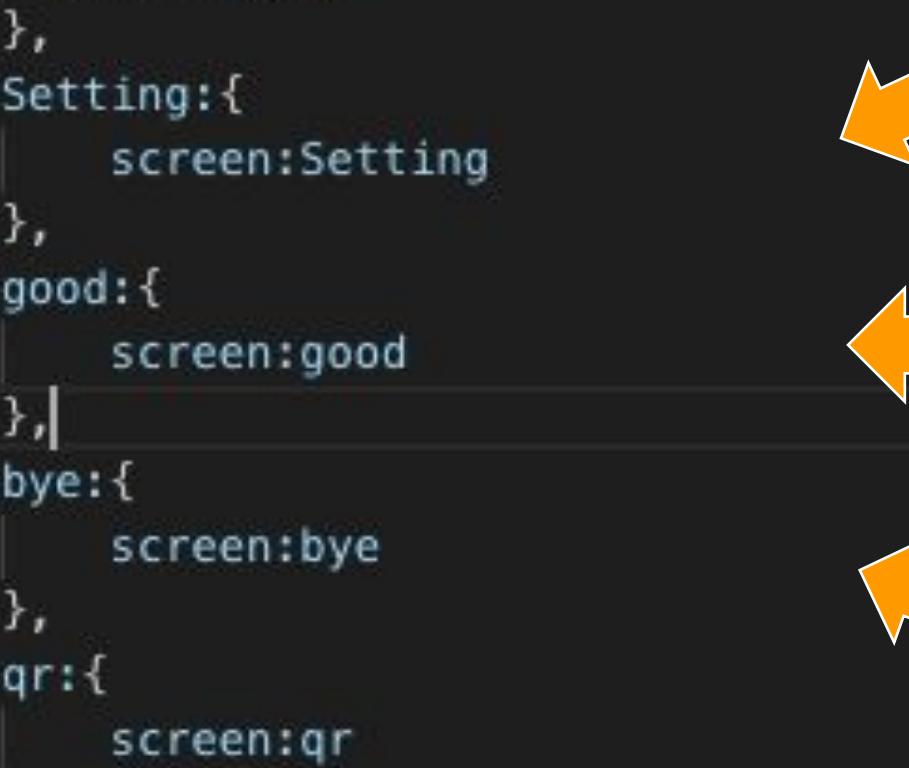
3. Render

MainScreen.js



# 02 Tab Navigation

```
export default createBottomTabNavigator({
  Home:{ screen:Home },
  Setting:{ screen:Setting },
  good:{ screen:good },
  bye:{ screen:bye },
  qr:{ screen:qr }
});
```





# MainScreen.js

```
}

class Setting extends React.Component{

    static navigationOptions = {
        title: 'Search',
        tabBarIcon: ({ tintColor }) => (
            <Icon name='ios-search' style={{ color: tintColor }} />
        )
    }
}
```

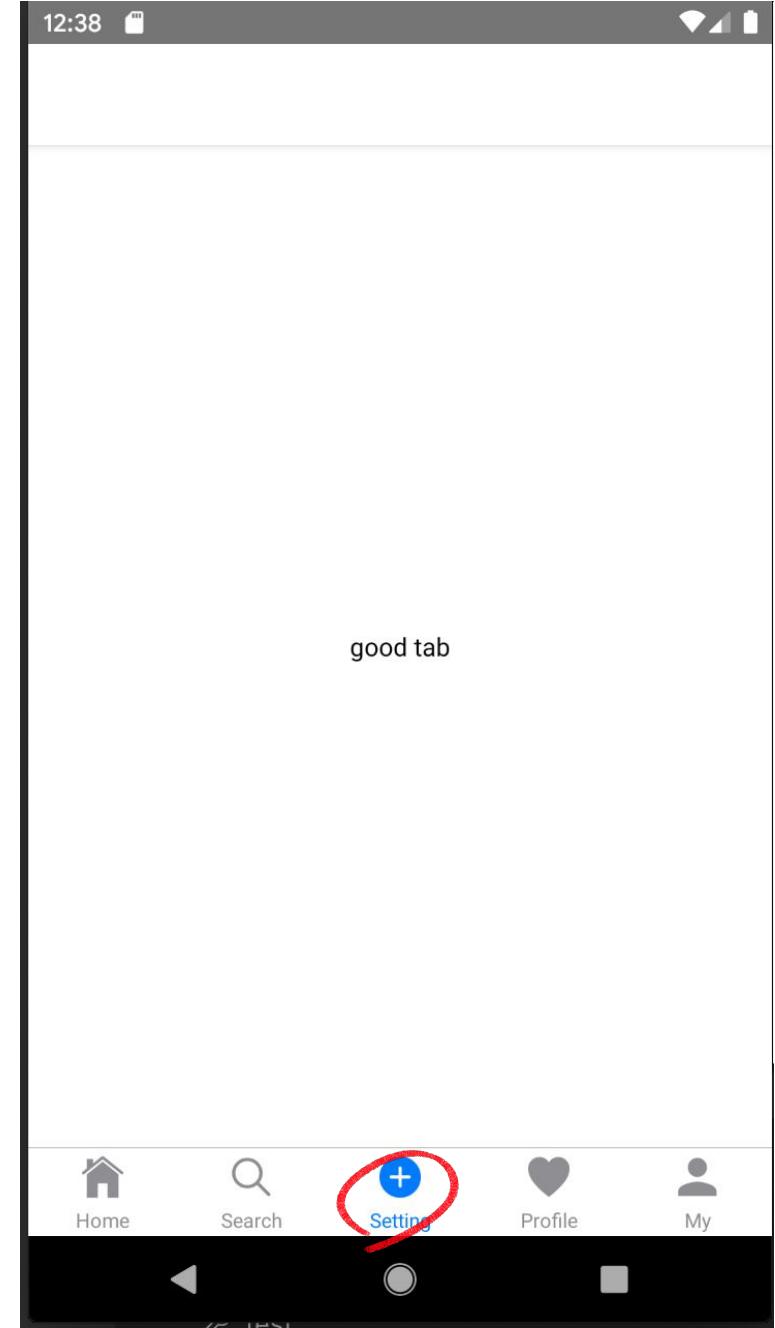
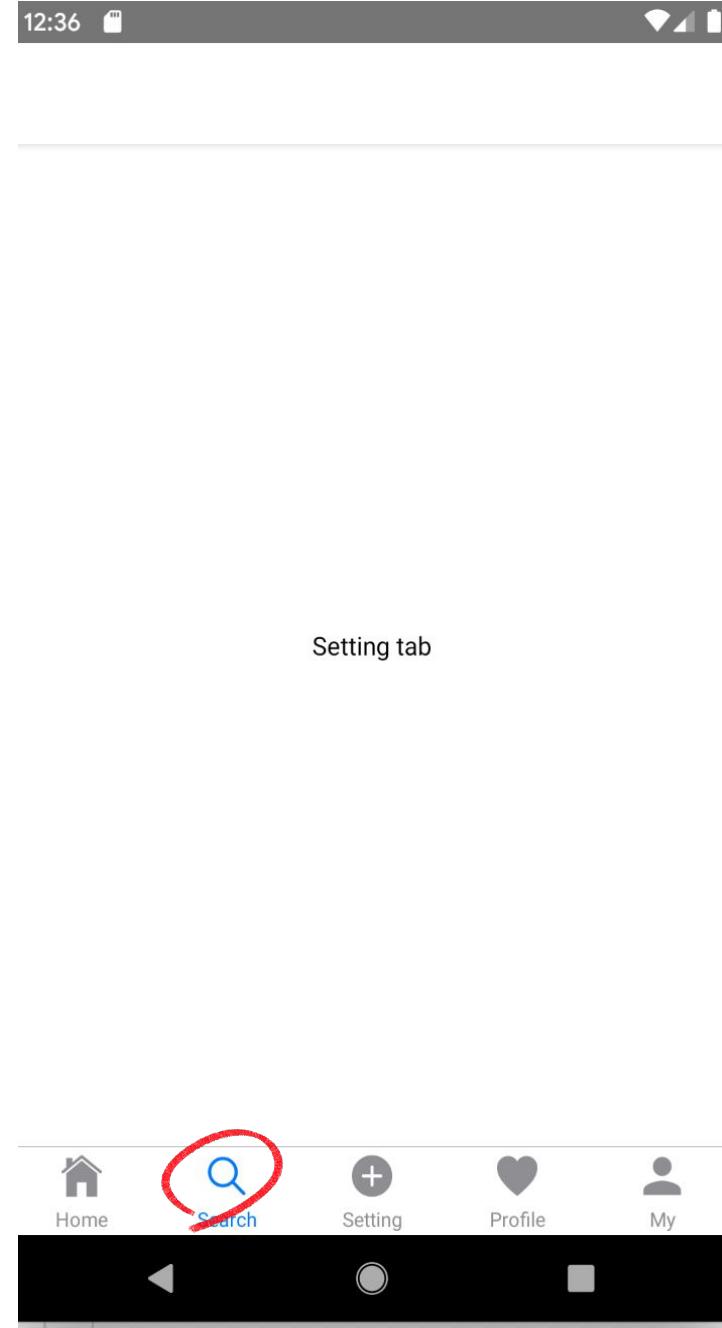
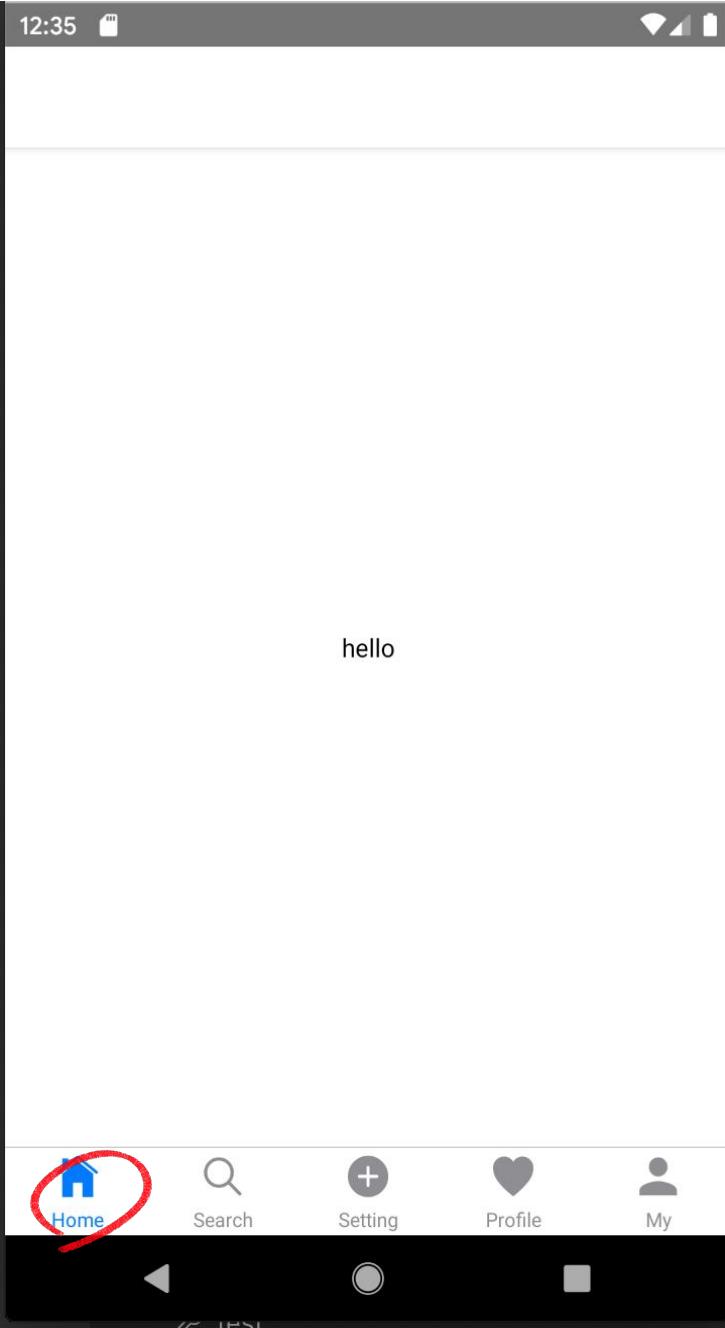
```
class good extends React.Component{  
  static navigationOptions = {  
    title: 'Setting',  
    tabBarIcon: ({ tintColor }) => (  
      <Icon name='ios-add-circle' style={{ color: tintColor }} /  
    )  
  }  
  render(){  
    return (  
      <View>  
        <Text>This is good component</Text>  
      </View>  
    )  
  }  
}
```

# good.js

# good.js

```
class bye extends React.Component{  
  static navigationOptions = {  
    title: 'Profile',  
    tabBarIcon: ({ tintColor }) => (  
      <Icon name='ios-heart' style={{ color: tintColor }} />  
    )  
  }  
  render(){  
    return (  
      <View style={styles.container}>
```

bye.js





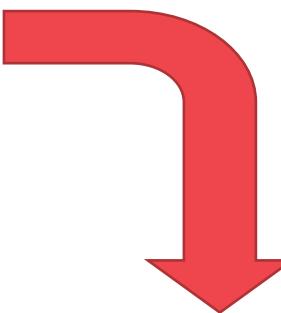
## 02 Tab Navigation

# react-navigation-tabs

### 사용 가능한 네비게이션

- createBottomTabNavigator
- **createMaterialTopTabNavigator**
- BottomTabBar
- MaterialTopTabBar

1. 애니메이션, 세부적인 것(style, position) 추가로  
세讼



```
//import {createBottomTabNavigator} from 'react-navigation-tabs'  
import {createMaterialTopTabNavigator} from 'react-navigation-tabs'
```

## 02 Tab Navigation

```
export default createBottomTabNavigator({  
  Home:{  
    screen:Home  
  },  
  Setting:{  
    screen:Setting  
  },  
  good:{  
    screen:good  
  },  
  bye:{  
    screen:bye  
  },  
  qr:{  
    screen:qr  
  }  
});
```

CreateBottomTabNavigator



```
export default createMaterialTopTabNavigator({  
  Home:{screen:Home},  
  Setting:{screen:Setting},  
  good:{screen:good},  
  bye:{screen:bye},  
  qr:{screen:qr}  
}, {  
  animationEnabled: true,  
  swipeEnabled: true,      내용추가  
  tabBarPosition: "bottom",  
});
```

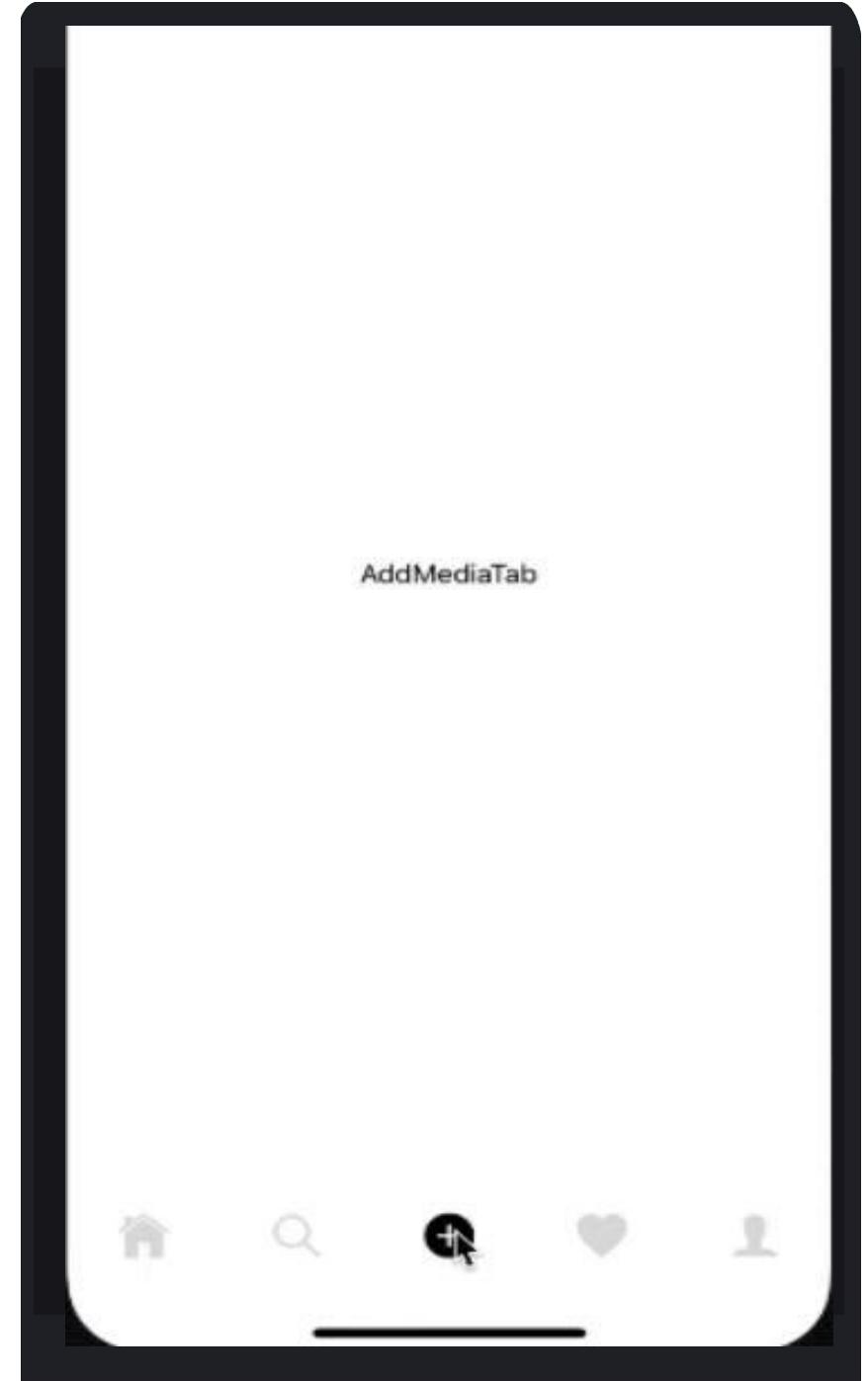
createMaterialTopTabNavigation

## 02 React-native run-android로 실행

[ createMaterialTopTabNavigation ]

tab 애니메이션

~~기능추가~~



A photograph of the Chicago skyline at sunset. The sky is filled with warm orange and yellow hues, with some darker clouds on the right. The Willis Tower (formerly Sears Tower) is the central, most prominent building, its top illuminated. Other buildings of various heights and architectural styles are visible against the colorful backdrop.

02

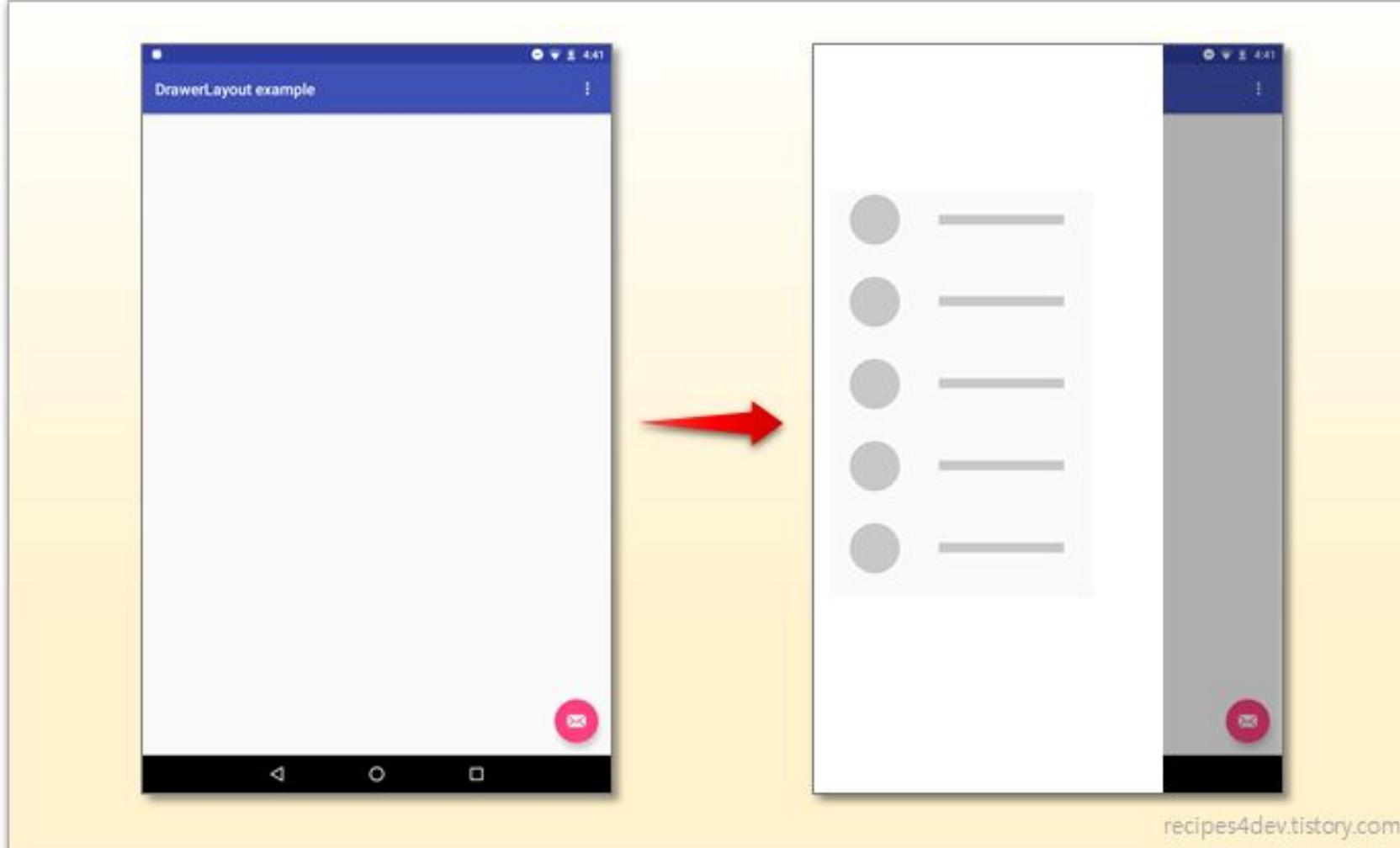
## Navigation



1. Stack Navigation
2. Tab Navigation
3. Drawer Navigation



## 02 Drawer-Navigator



1. react-navigation-drawer



2. link 연결

## 02 Drawer Navigation

```
import React from "react";
import {StyleSheet, Text, View} from "react-native";
import {createDrawerNavigator} from "react-navigation-drawer"
import HomeScreen from "./screens/HomeScreen"
import SettingScreen from "./screens/SettingsScreen"
```

```
export default class App extends React.Component{
```

```
    render(){
        return(
            <AppDrawerNavigator/>
        );
    }
}
```



2

```
const AppDrawerNavigator = createDrawerNavigator({
    HomeScreen:{
        screen:HomeScreen
    },
    SettingScreen:{
        screen:SettingScreen
    }
})
```

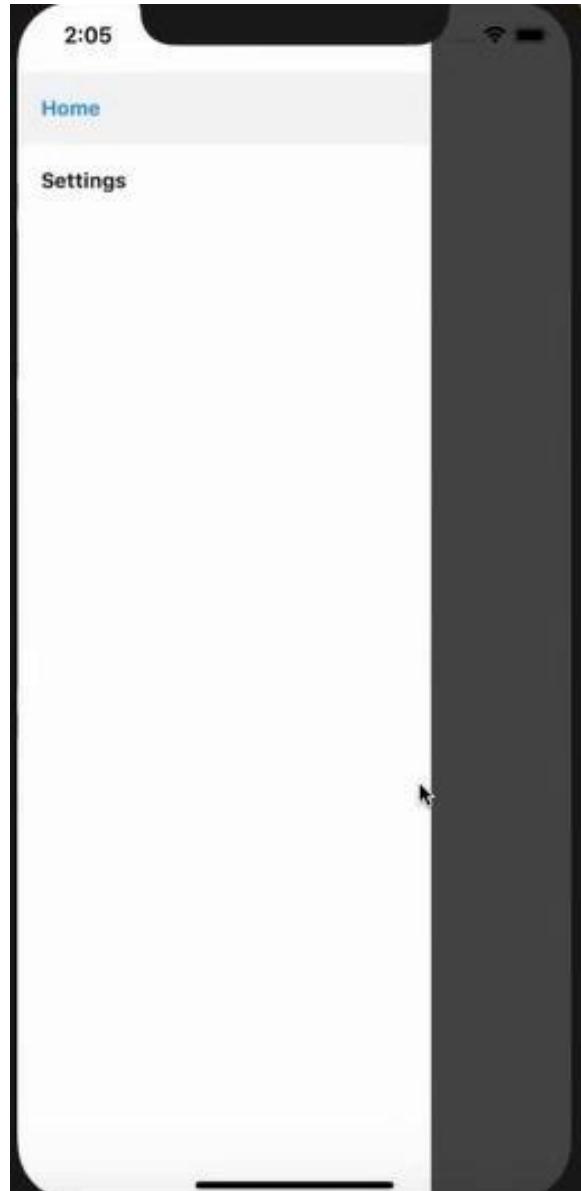


1. react-navigation-drawer import

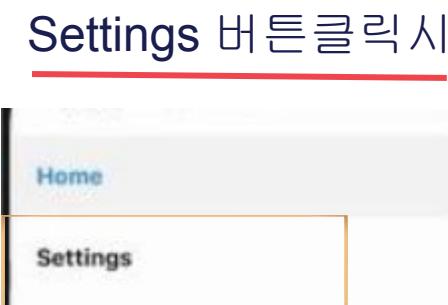


3. 리액트 반환

## 02 Drawer Navigation



Drawer



```
class HomeScreen extends React.Component{  
  render(){  
    return(  
      <View style={styles.container}>  
        <Text>HomeScreen</Text>  
      </View>  
    );  
  }  
  export default HomeScreen;
```

```
class SettingScreen extends React.Component{  
  render(){  
    return(  
      <View style={styles.container}>  
        <Text>SettingScreen</Text>  
      </View>  
    );  
  }  
  export default SettingScreen;
```

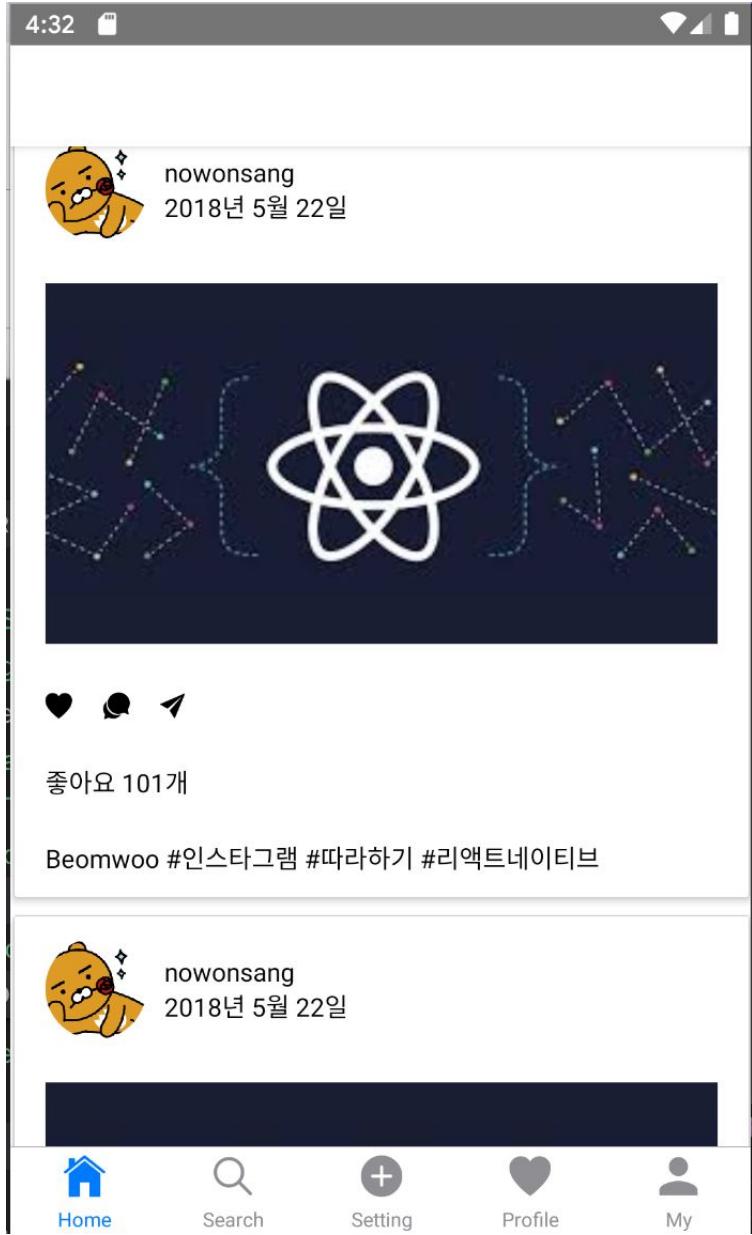


03

## 실전코딩



## 02 실전코딩



1. react-navigation-tab
  - tab 기능제공
2. native-base
  - UI 기능 제공
3. react-navigation-stack
  - stack 기능 제공

## VsCode 참조

---



## 04 기능 활용

1. 라이브러리 패키지 매니저 방식
2. UI 활용 방식
3. 생산적인 기능

## 04 패키지 매니저 활용

```
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL
nowonsang-ui-MacBookPro:AndroidProjectTest nowonsang$ npm install --save react-navigation-stack
info Starting the app on emulator ...
Starting: Intent { cmp=com.androidprojecttest/.MainActivity }
nowonsang-ui-MacBookPro:AndroidProjectTest nowonsang$ yarn add react-navigation-stack
```



VS



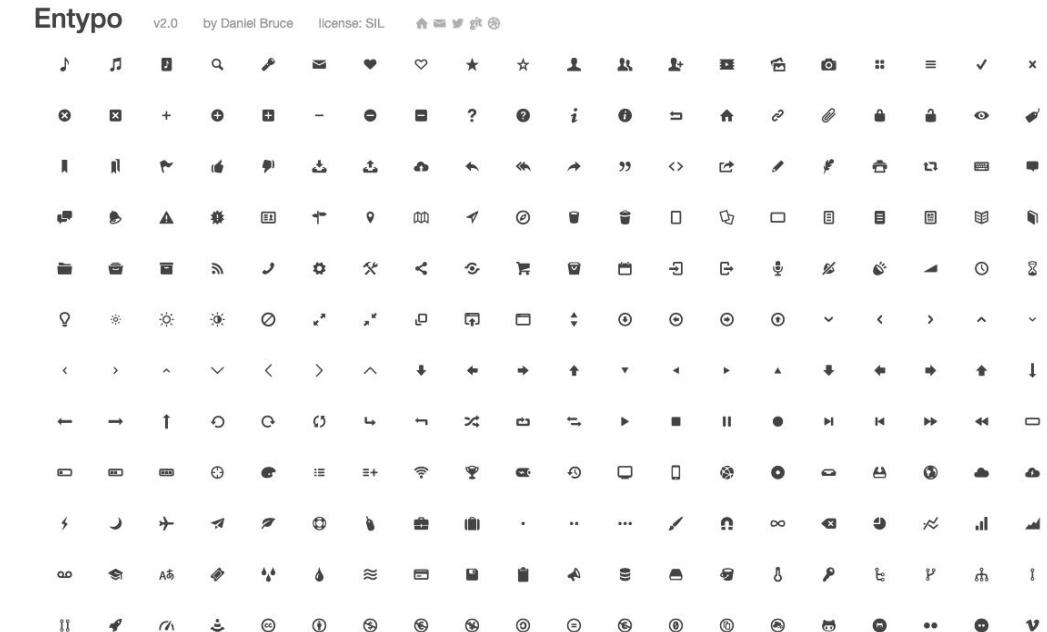
yarn

## 04 UI 매니저



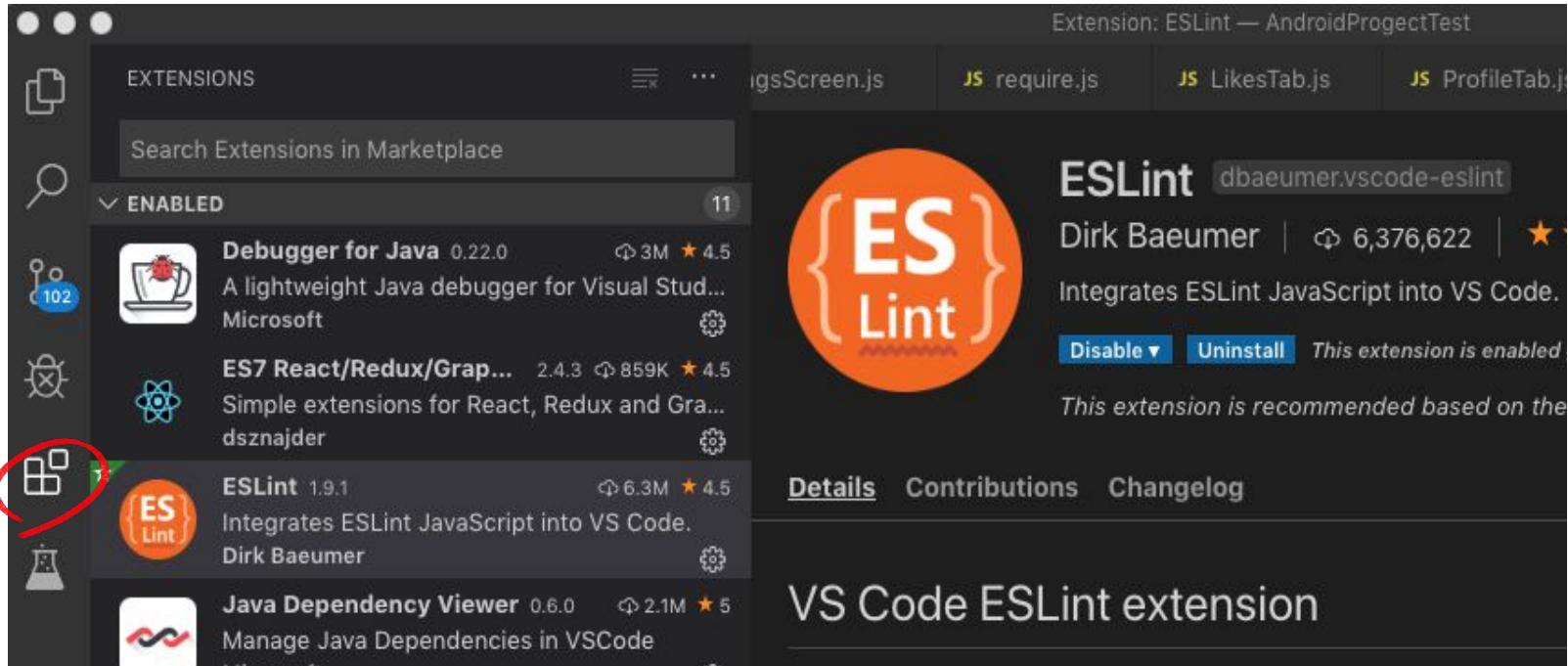
NativeBase

VS



Fontello - icon fonts generator

## 04 에러 표시 도구



1. ESLint는 사용자가 직접 정의한대로 코드를 점검하고, 에러가 있으면 표시

# 04 에러 표시 도구

The screenshot shows the Visual Studio Code interface with the ESLint extension installed and configured. A large red arrow points from the 'Code' menu path down to the 'Settings' tab in the main editor area.

**Code** File Edit Selection View Go Debug Terminal Window Help

Settings — AndroidProjectTest

JS MainScreen.js JS Settings X JS Profile.js JS Info.plist JS App.js JS test.js JS .eslintrc...

**Preferences** ► **Settings [⌘,]**

Online Services Settings  
Extensions  
Keyboard Shortcuts [⌘K ⌘S]  
Keymaps [⋯]  
User Snippets [⋯]  
Color Theme [⋯]  
File Icon Theme [⋯]

ESLint 1.9.1 6.4M ★ 4.5 Integrates ESLint JavaScript into VS Code. Dirk Baeumer

Java Dependency Viewer 0.6.0 2.1M ★ 5 Manage Java Dependencies in VSCode Microsoft

Java Extension Pack 0.8.0 2.7M ★ 4.5 Popular extensions for Java development and Microsoft

Java Test Runner 0.20.0 2.8M ★ 4 Run and debug JUnit or TestNG test cases Microsoft

**RECOMMENDED** 7

Beautify 1.5.0 3.6M ★ 4 Beautify code in place for VS Code HookyQR **Install**

jshint 0.10.21 1M ★ 4.5 Integrates JSHint into VS Code. JSHint is a ... Dirk Baeumer **Install**

Debugger for Chrome 4.12.0 4.2M ★ 4 Debug your JavaScript code in the Chrome ... Microsoft **Install**

npm Intellisense 1.3.0 1.5M ★ 4.5 Visual Studio Code plugin that autocomplet... Christian Kohler **Install**

> DISABLED 0

**ESLint**

Eslint: Always Show Status  
Always show the ESLint status bar item.

**Eslint: Auto Fix On Save**  Turns auto fix on save on or off.

Eslint > Code Action: Disable Rule Comment  
[Edit in settings.json](#)

Eslint > Code Action: Show Documentation  
[Edit in settings.json](#)

PROBLEMS 29 OUTPUT DEBUG CONSOLE TERMINAL 1: bash + - ×

Deprecated Gradle features were used in this build, making it incompatible with Gradle 6.0. Use '--warning-mode all' to show the individual deprecation warnings. See [https://docs.gradle.org/5.5/userguide/command\\_line\\_interface.html#sec:command\\_line\\_warnings](https://docs.gradle.org/5.5/userguide/command_line_interface.html#sec:command_line_warnings)

BUILD SUCCESSFUL in 36s  
63 actionable tasks: 36 executed, 27 up-to-date  
**info** Connecting to the development server...  
**adb**: error: cannot bind listener: Operation not permitted  
**warn** Failed to connect to development server using "adb 1 tcp:8081"  
**info** Starting the app on "emulator-5554"..."  
Starting: Intent { cmp=com.androidprojecttest/.MainActivity } nowonsang-MacBookPro:AndroidProjectTest nowonsang\$

The Marketplace has extensions that can help with '.plist' files

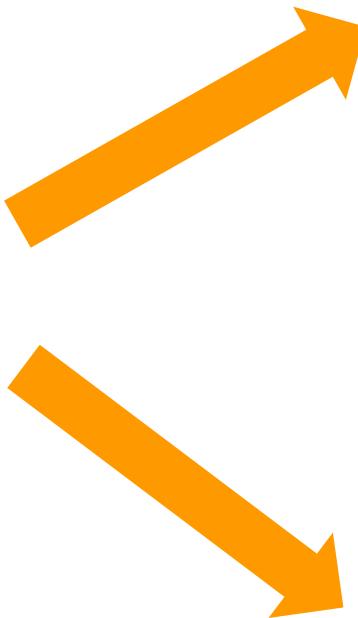
Search Marketplace Don't Show Again for '.plist' files

# 04 에러 표시 도구

The screenshot shows the Visual Studio Code interface with the following details:

- EXPLORER** pane on the left showing the project structure of `ANDROIDPROJECTTEST`, including files like `App-test.js`, `Home.js`, `MainScreen.js`, `Profile.js`, and `test.js`.
- CODE EDITOR** pane displaying `test.js` with syntax highlighting and error underlines.
- TERMINAL** pane at the bottom showing build logs and a message about deprecated Gradle features.
- A floating callout box highlights the text "Container는 자체 프레임의 구성요소 중에 하나로 모든 구성 요소는 컨테이너 내에 포함 되어야합니다" and "Content는 화면 분문 섹션".
- A large watermark "항목체 크" is overlaid on the right side of the editor area.

## 04 권한 설정



EXPLORER

JS App.js

build.gradle

AndroidManifest.xml

## OPEN EDITORS

JS App.js

build.gradle android\app

AndroidManifest.xml android\app\sr...

## ANDROIDPERMISSIONEXAMPLE

android

.gradle

app

build

src

main

java

res

AndroidManifest.xml

BUCK

build.gradle

proguard-rules.pro

build

gradle

keystores

build.gradle

gradle.properties

gradlew

gradlew.bat

settings.gradle

ios

node\_modules

.babelrc

citignore

```
1 <manifest xmlns:android="http://schemas.android.com/apk/res/android"
2   package="com.android.permissionexample">
3
4     <uses-permission android:name="android.permission.INTERNET" />
5     <uses-permission android:name="android.permission.SYSTEM_ALERT_WINDOW"/>
6     <uses-permission android:name="android.permission.CAMERA"/>
7
8
9
10
11   <application
12     android:name=".MainApplication"
13     android:label="@string/app_name"
14     android:icon="@mipmap/ic_launcher"
15     android:allowBackup="false"
16     android:theme="@style/AppTheme">
17       <activity
18         android:name=".MainActivity"
19         android:label="@string/app_name"
20         android:configChanges="keyboard|keyboardHidden|orientation|screenSize"
21         android:windowSoftInputMode="adjustResize">
22           <intent-filter>
23             <action android:name="android.intent.action.MAIN" />
24             <category android:name="android.intent.category.LAUNCHER" />
25           </intent-filter>
26         </activity>
27         <activity android:name="com.facebook.react.devsupport.DevSettingsActivity" />
28       </application>
29
30   </manifest>
```

Android  
권한 설정 설정

Info.plist — AndroidProjectTest

EXPLORER

> OPEN EDITORS 1 UNSAVED

ANDROIDPROJECTTEST

- ✓ \_tests\_
- JS App-test.js
- > .vscode
- > android
- > assets
- > components
- ✗ ios
  - AndroidProjectTest
    - > Base.lproj
    - > Images.xcassets
    - C AppDelegate.h
    - C AppDelegate.m
  - Info.plist
  - C main.m
  - > AndroidProjectTest-tvOS
  - > AndroidProjectTest-tvOST...
  - > AndroidProjectTest.xcodeproj
  - > AndroidProjectTestTests
  - > Pods
  - P Podfile
- > node\_modules
- ✓ screens
  - JS HomeScreen.js
  - JS SettingsScreen.js
- ≡ .buckconfig
- Q .eslintrc.js
- > OUTLINE
- > NPM SCRIPTS
- > JAVA DEPENDENCIES
- > MAVEN PROJECTS

JS ProfileTab.js | JS SearchTab.jsx | JS CardComponent.js | JS MainScreen.js | JS Profile.js | RSS Info.plist | Q .eslintrc.js | ⌂

ios > AndroidProjectTest > RSS Info.plist

```
1   <?xml version="1.0" encoding="UTF-8"?>
2   <!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
3   <plist version="1.0">
4   <dict>
5       <key>Camera Usage Description</key>
6       <string>camera use</string>
```

PROBLEMS 22 OUTPUT DEBUG CONSOLE TERMINAL

1: bash

```
warning "@react-native-community/eslint-config > eslint-plugin-react@7.12.4" has incorrect peer dependency "eslint@^3.0.0 || ^4.0.0 || ".
warning "@react-native-community/eslint-config > eslint-plugin-react-native@3.6.0" has incorrect peer dependency "eslint@^3.17.0 || ^4
[4/4] ↵ Building fresh packages...
success Saved lockfile.
success Saved 1 new dependency.
info Direct dependencies
└ typescript@3.6.4
info All dependencies
└ typescript@3.6.4
⚡ Done in 7.46s.
```

The Marketplace has extensions that can help with '.plist' f

Search Marketplace Don't Show Again for '.p

## 1. 카메라 라이브러리를 설치

```
1] npm install react-native-camera-kit --save  
2] react-native link react-native-camera-kit
```

## 2. 카메라 기능 import

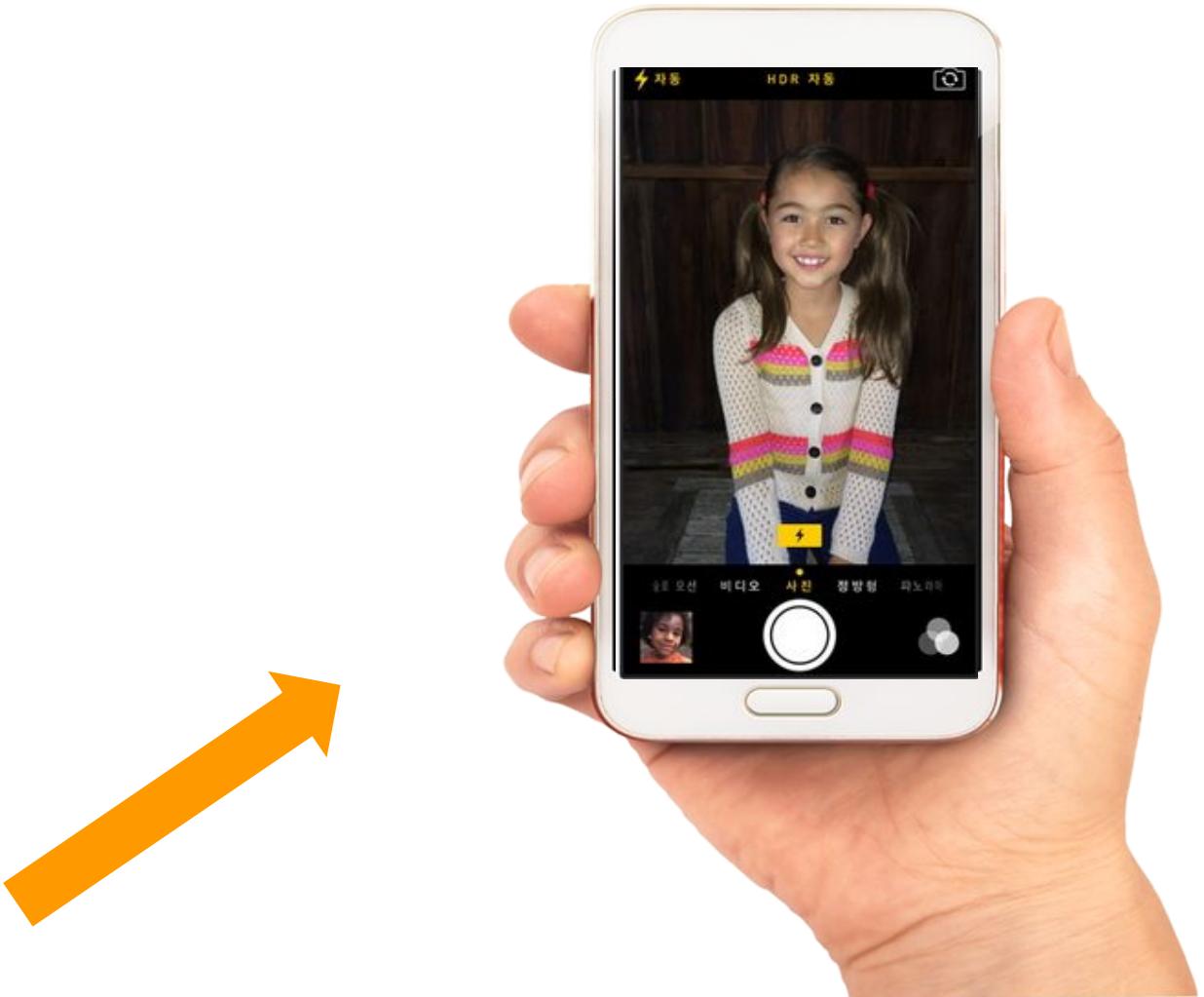
```
import { StyleSheet, View, Text, Platform, TouchableOpacity, Link:  
  
import { CameraKitCameraScreen, } from 'react-native-camera-kit';
```

## 3. 소스 구현

```
import React, {Component} from 'react';
import {View, Image, TouchableOpacity, ScrollView} from 'react-native';
import RNCamera from 'react-native-camera';

class profPresenciaScreen extends Component{
<View style={{flex: 1}}>
  <RNCamera
    ref={ref => {
      this.camera = ref;
    }}
    defaultTouchToFocus
    mirrorImage={false}
    permissionDialogTitle={'Permission to use camera'}
    permissionDialogMessage={'We need your permission to use your camera phone'}
  />
</View>
}

export default profPresenciaScreen;
```



감사합니다!