



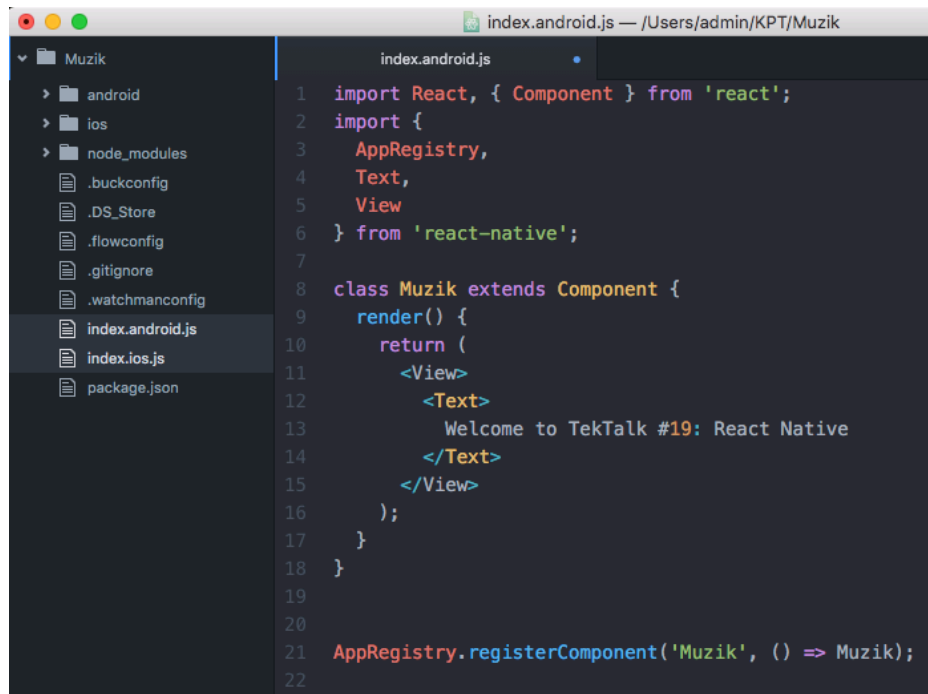
TEKTALK #19



# React Native

A framework for building native apps with React.

## #1 Cấu trúc một ứng dụng React Native



## #2 – Image

```
<Image
  style={styles.icon}
  source={require('./myIcon.png')}
/>
<Image
  style={styles.logo}
  source={{uri: 'http://facebook.github.io/react/img/logo_og.png'}}
/>
```

## #3 – Touchable

```
<TouchableHighlight onPress={ ()=>{} }>
  <Text>
    Touch me, baby!
  </Text>
</TouchableHighlight>

<TouchableOpacity onPress={ ()=>{} }>
  <Text>
    Touch me, baby!
  </Text>
</TouchableOpacity>
```

## #4 – State

```

4
5 class Muzik extends React.Component{
6
7   constructor(props){
8     super(props);
9     this.state={
10       url: './images/batman.png'
11     }
12   }
13   clickMe(){
14     this.setState({
15       url: "new value"
16     });
17   }
18   render(){
19     return(
20       <View style={ao.bao}>
21
22         <Text>{this.state.url}</Text>
23
24         <TouchableOpacity onPress={()=>this.clickMe()}>
25
26           <Image source={require('./images/batman.png')}
27             style={{width:100, height:100}} />
28         </TouchableOpacity>

```

#5 – Navigator

```

15 class KhoaPham extends Component {
16
17   renderScene(route, navigator){
18     switch(route.name){
19       case "home": return();
20       case "Login": return();
21     }
22   }
23
24   render() {
25     return (
26       <Navigator initialRoute= {{name:"home"}}
27         renderScene = {this.renderScene} />
28     );
29   }
30
31 }

```

```

    navigator.push({
      name:"Login",
    });

    navigator.pop({
      name:"home",
    });

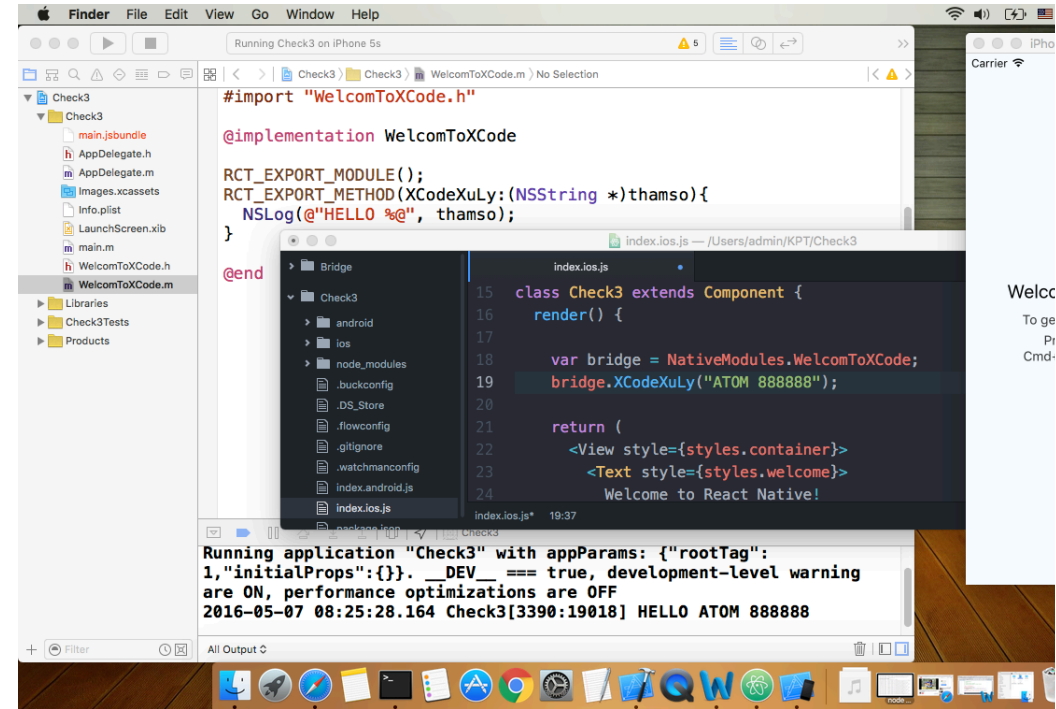
```

Demo Navigator

```

18  renderScene(route, navigator){
19    switch (route.name) {
20      case "Home":  return(
21        <View>
22          <Text>HOME</Text>
23          <TouchableOpacity onPress={()=>{
24            navigator.push({
25              name:"ManHinh2"
26            });
27          }}><Text>CLICK ME</Text></TouchableOpacity>
28        </View>
29      );
30      case "ManHinh2": return(
31        <View>
32          <Text>MANHINH2</Text>
33          <TouchableOpacity onPress={()=>{
34            navigator.pop({
35              name:"Home"
36            });
37          }}><Text>BACK</Text></TouchableOpacity>
38        </View>
39      );
40    }
41  }
42  render() {
43    return (
44      <Navigator initialRoute={{name:"Home"}}
45        renderScene={this.renderScene} />
46    );
47  }

```



## #6 - Native Module

Class:

Subclass of:

☐ Also create XIB file

Language:

```
//
//  CalendarManager.h
//  dalat
//
//  Created by admin on 4/26/16.
//  Copyright © 2016 Facebook. All rights reserved.
//

#import "RCTBridgeModule.h"

@interface CalendarManager : NSObject <RCTBridgeModule>

@end
```

```
//
//  CalendarManager.m
//  dalat
//
//  Created by admin on 4/26/16.
//  Copyright © 2016 Facebook. All rights reserved.
//

#import "CalendarManager.h"

@implementation CalendarManager
RCT_EXPORT_MODULE();
RCT_EXPORT_METHOD(addEvent:(NSString *)name location:(NSString *)
                  location)
{
    NSLog(@"Pretending to create an event %@ at %@", name, location);
}
@end
```

```
View,
NativeModules
} from 'react-native';

class dalat extends Component {
  render(){
    var d = DATA[0];
    var CalendarManager = NativeModules.CalendarManager;
    CalendarManager.addEvent('Khoa Pham', 'Khoa hoc React Native');
    return(
      <Image source={{uri:d.bg}} style={{width:500, height:1000}}>
```



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