學習

react-native

#react-native

1:

React NativeJavaScript。 ReactUI。

React Native“Web”“HTML5”“”。 Objective-CJava。 React NativeiOSAndroidUI。 JavaScriptReact
。

Facebook。

-
-
- GitHub

React Native

Examples

Mac

Homebrew `brew`

。

```
/usr/bin/ruby -e "$(curl -fsSL
https://raw.githubusercontent.com/Homebrew/install/master/install)"
```

Xcode IDE

Mac App Store

https://developer.apple.com/download/

> **Xcode-beta.appXcode.app** `xcodebuild`。
>
> `sudo xcode-select -switch /Applications/Xcode.app/Contents/Developer/`

Android

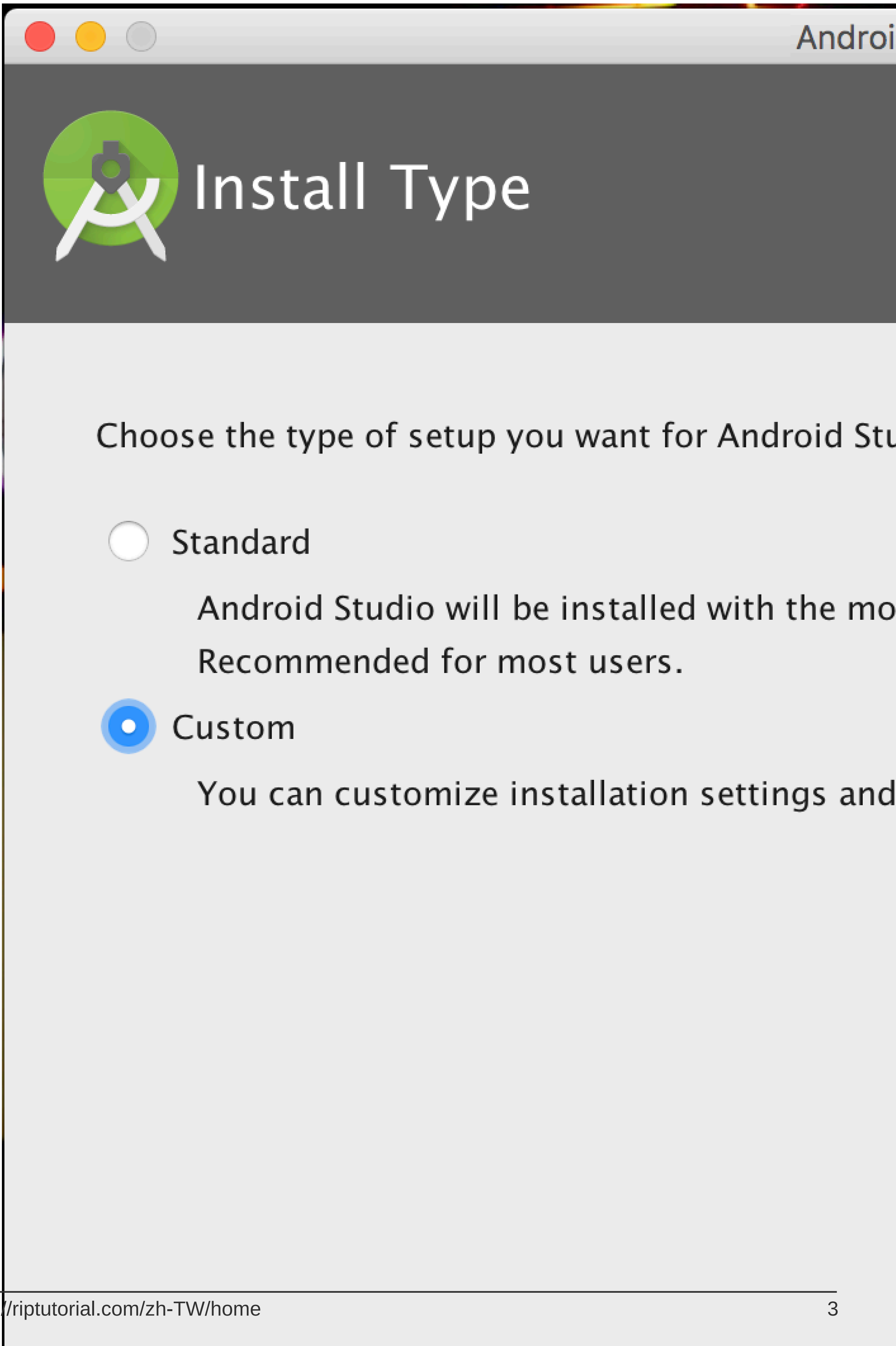
- Git `git`

  *XCodeGit

  ```
  brew install git
  ```

- JDK

- Android Studio



Androi

Install Type

Choose the type of setup you want for Android Stu

Standard

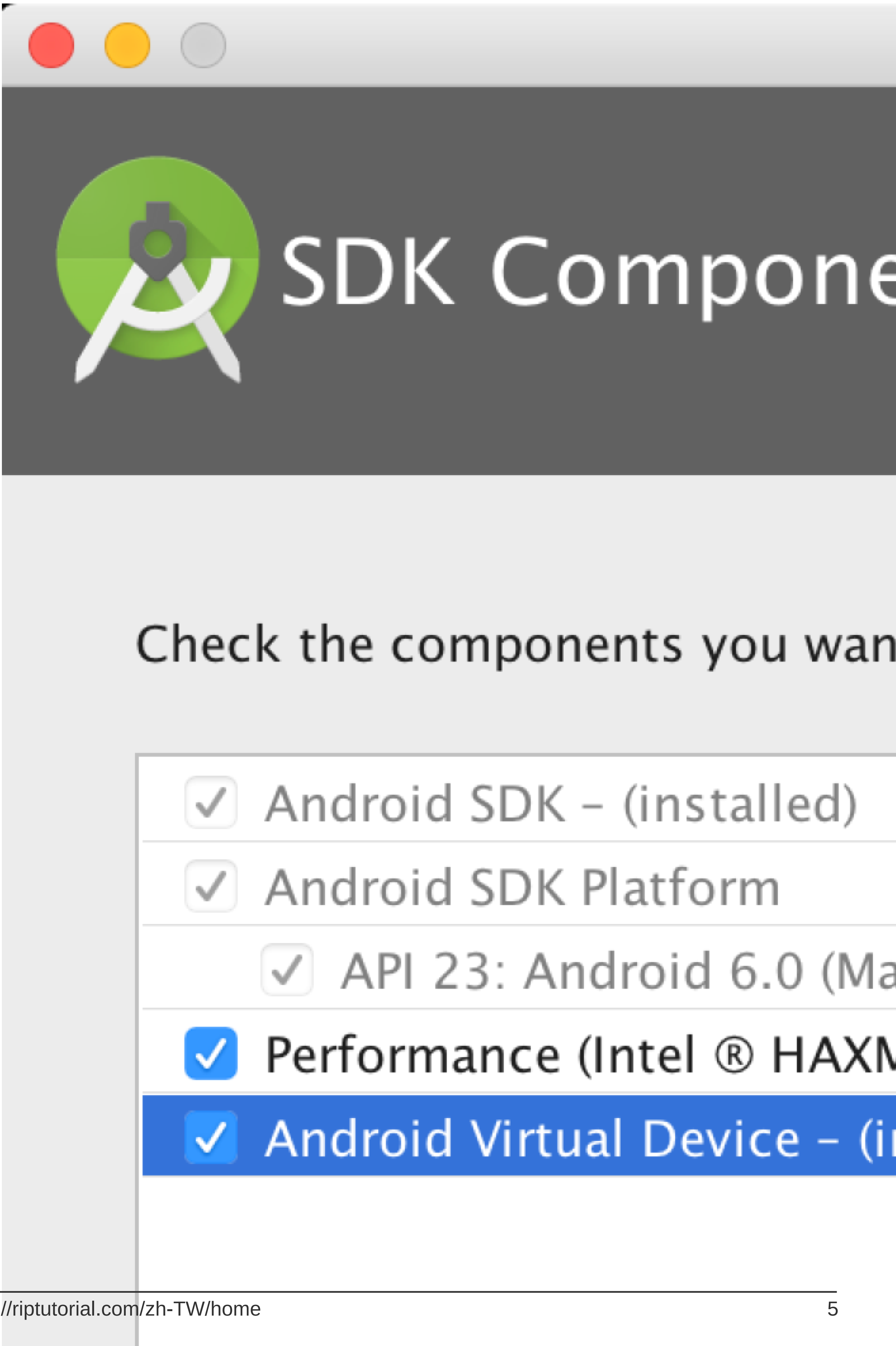
Android Studio will be installed with the mo

Recommended for most users.

[✓ Custom]

You can customize installation settings and

Android


SDK Compone

Check the components you wan

✓ Android SDK – (installed)

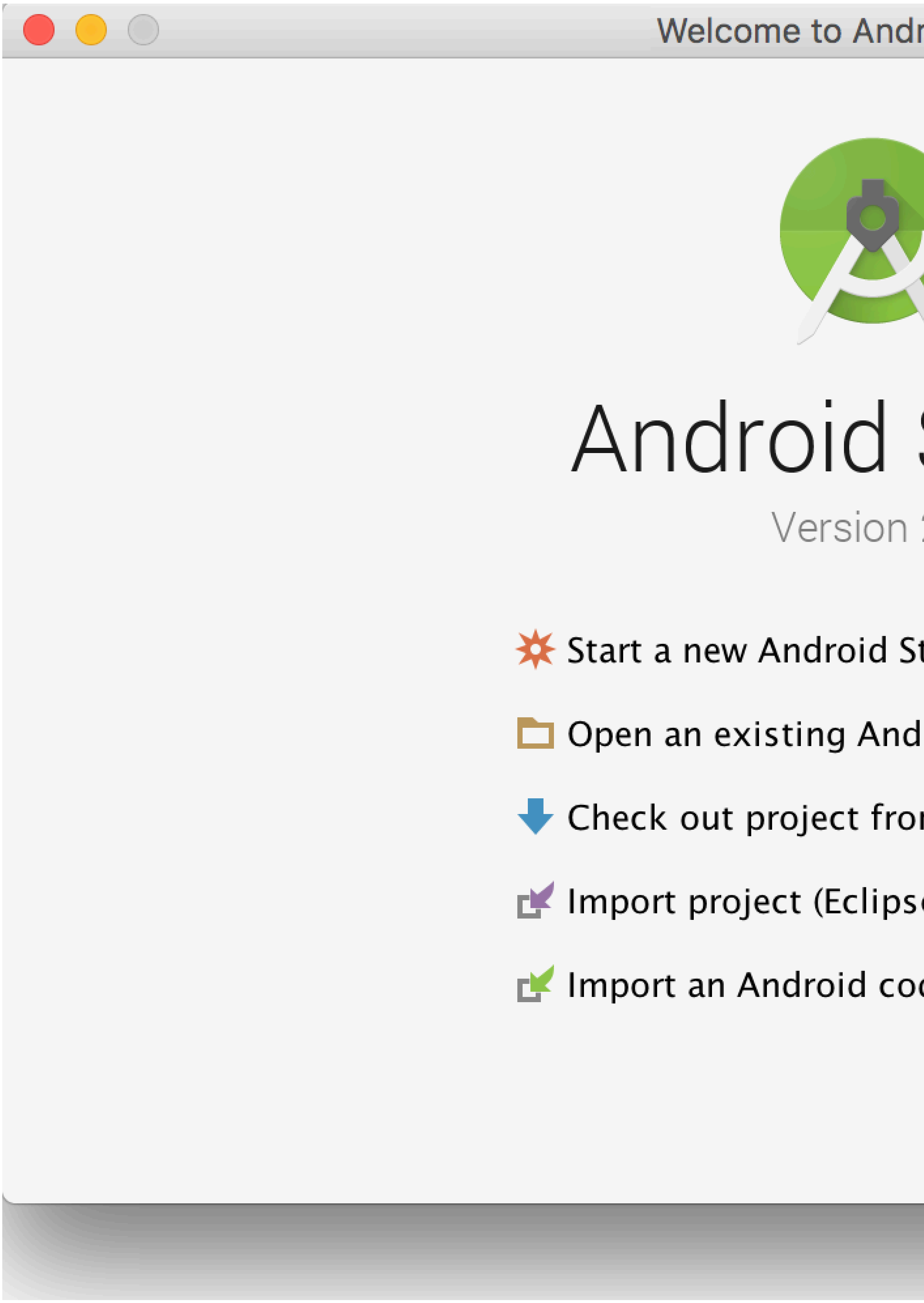
✓ Android SDK Platform

✓ API 23: Android 6.0 (Ma

✓ Performance (Intel ® HAXM

✓ Android Virtual Device – (i

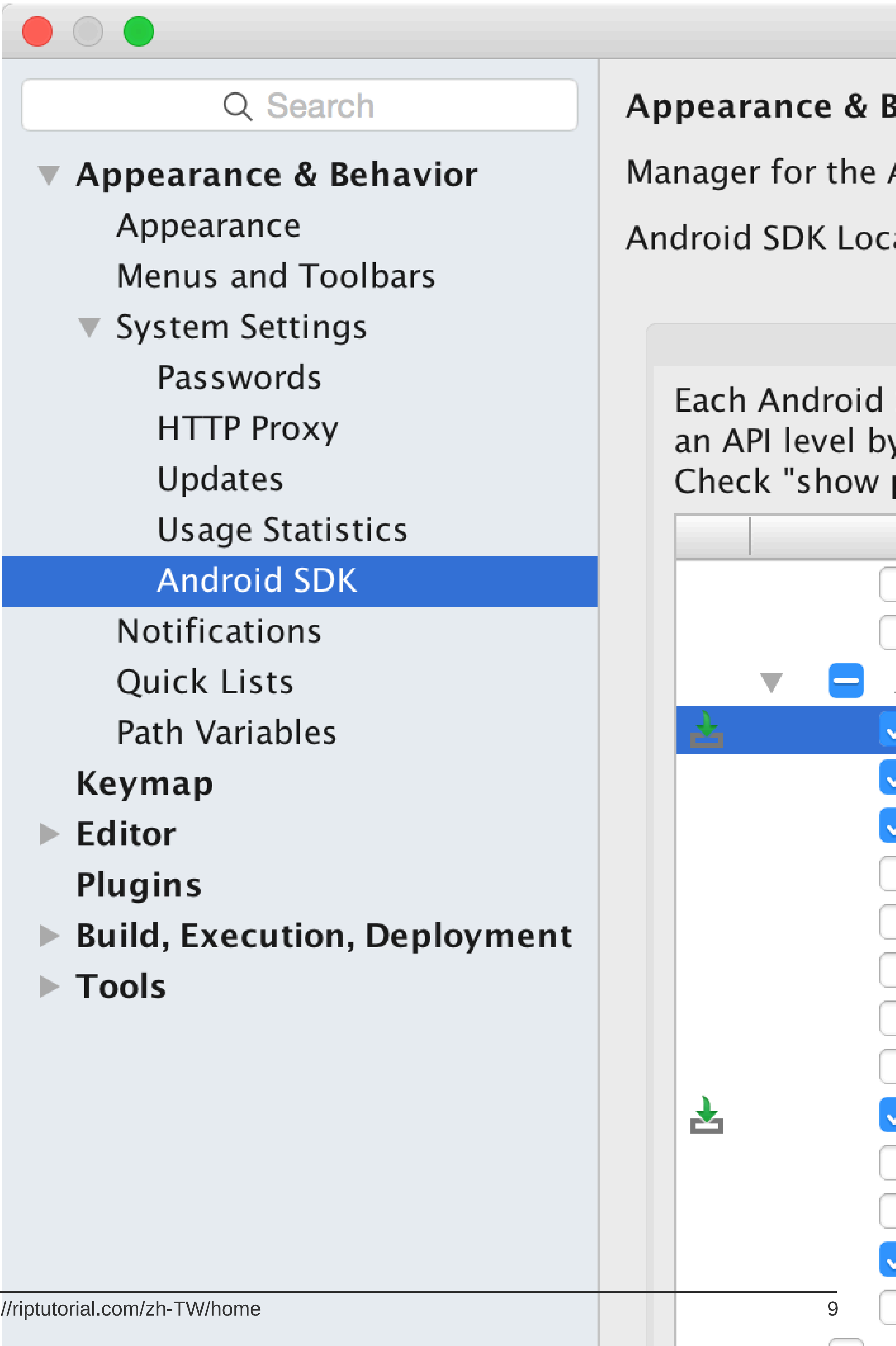
Android StudioConfigure - > SDK Manager。


Welcome to Andr
Android S
Version
Start a new Android St
Open an existing And
Check out project fro
Import project (Eclips
Import an Android coo

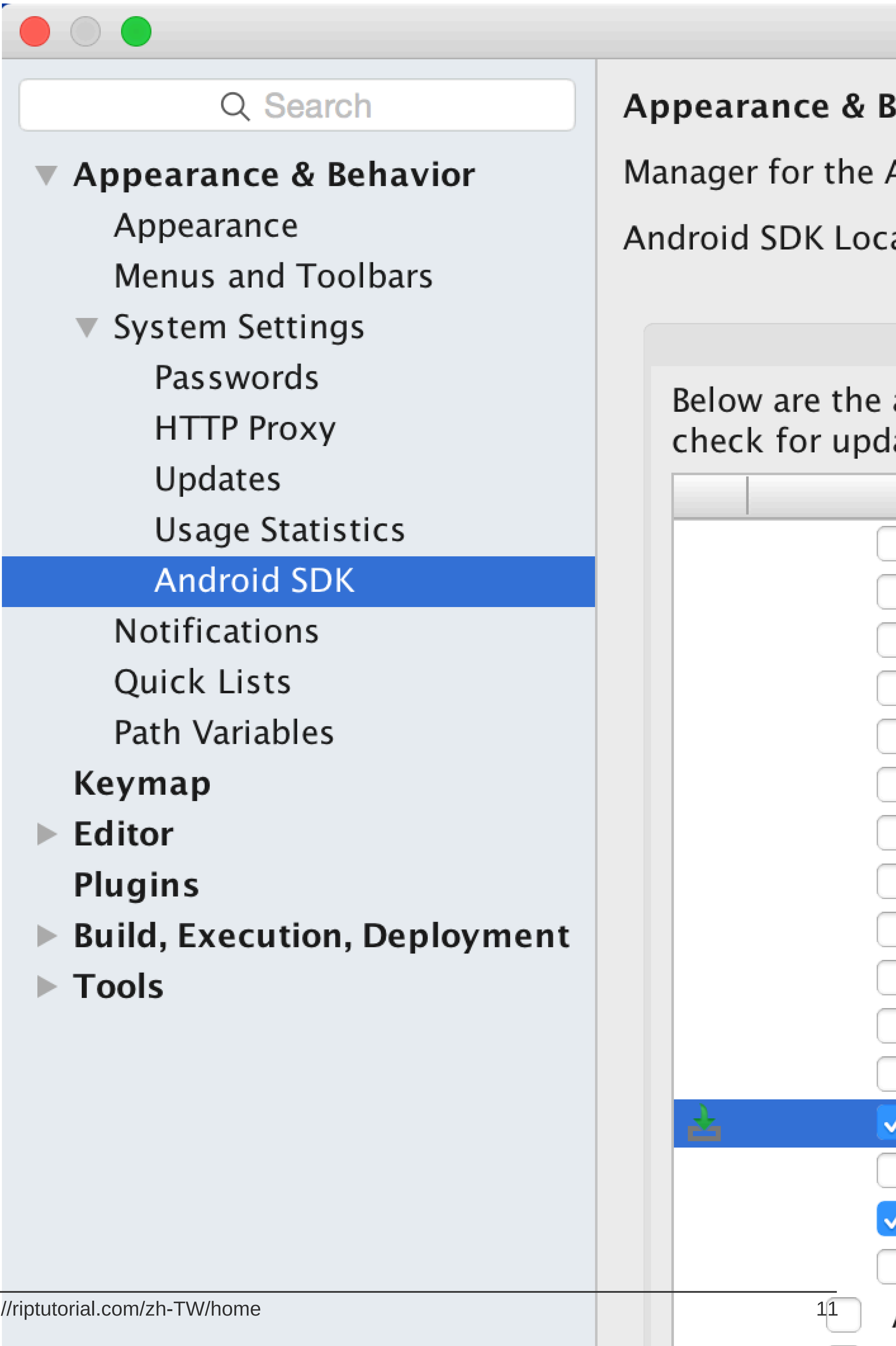
SDKAndroid 6.0MarshmallowGoogle APIIntel x86 Atom System ImageIntel x86 Atom_64 Google API Intel x86 Atom_64。

Google API Intel x86 Atom_64。

Google API Intel x86 Atom_64。


Search
Appearance & Behavior
Appearance
Menus and Toolbars
System Settings
Passwords
HTTP Proxy
Updates
Usage Statistics
Android SDK
Notifications
Quick Lists
Path Variables
Keymap
Editor
Plugins
Build, Execution, Deployment
Tools
Appearance & B
Manager for the A
Android SDK Loca
Each Android
an API level by
Check "show p

SDK ToolsShow Package DetailsAndroid SDK Build ToolsAndroid SDK Build-Tools 23.0.1。


Search
Appearance & Behavior
Appearance
Menus and Toolbars
System Settings
Passwords
HTTP Proxy
Updates
Usage Statistics
Android SDK
Notifications
Quick Lists
Path Variables
Keymap
Editor
Plugins
Build, Execution, Deployment
Tools
Appearance & B
Manager for the A
Android SDK Loca
Below are the a
check for upda

- `ANDROID_HOME`

  ANDROID_HOMEAndroid SDK。 / .bashrc/ .bash_profileshell

  Android StudioSDK/ usr / local / opt / android-sdk

  ```
  export ANDROID_HOME=~/Library/Android/sdk
  ```

Mac

Xcode for iOSAndroid Studio for androidnode.jsReact NativeWatchman。

Homebrewnodewatchman。

```
brew install node
brew install watchman
```

> WatchmanFacebook。 。 。

NodenpmReact Native。

```
npm install -g react-native-cli
```

sudo

```
sudo npm install -g react-native-cli.
```

iOSXcodeMac App Store。 AndroidAndroid Studio。

JavaGradle Daemon。

React Native

React Native“AwesomeProject”React Nativereact-native run-ios。

```
react-native init AwesomeProject
cd AwesomeProject
react-native run-ios
```

iOS。 react-native run-ios - XcodeNuclide。

。

- index.ios.jsindex.android.js。
- iOSCommand+ R

React Native。

- React-Native

Windows

WindowsiOSreact-native。

Windowsreact-native。 。

/

- Windows 10
- PowershellWindows
- Chocolatey PowerShell
- JDK8
- Android Studio
- HAXMIntel

1

```
choco install nodejs.install
choco install python2
```

npm

```
npm install -g react-native-cli
```

react-native。 4。 `C:\Program Files (x86)\Nodist\v-x64\6.2.2` 。 `C:\Users\admin\AppData\Roaming\npm`

2

。

“”

[]“” - > - > - >

“Path”1react-native。

ANDROID_HOME。 “”“ANDROID_HOME”android sdk。

react-native。

3

```
react-native init ProjectName
```

4android studio

```
cd ProjectName
react-native run-android
```

-
    - Android Studiosdk。

Ui`r`。 `ctrl + m`。

LinuxUbuntu

1Node.JS

nodeJS

```
curl -sL https://deb.nodesource.com/setup_5.x | sudo -E bash -

sudo apt-get install nodejs
```

node

```
sudo ln -s /usr/bin/nodejs /usr/bin/node
```

NodeJS instalations

```
curl -sL https://deb.nodesource.com/setup_6.x | sudo -E bash -
sudo apt-get install -y nodejs
```

```
curl -sL https://deb.nodesource.com/setup_7.x | sudo -E bash -
sudo apt-get install -y nodejs
```

```
node -v
```

npmreact-native

```
sudo npm install -g react-native-cli
```

2Java

```
sudo apt-get install lib32stdc++6 lib32z1 openjdk-7-jdk
```

3Android Studio

Android SDKAndroid Studio

```
http://developer.android.com/sdk/index.html
```

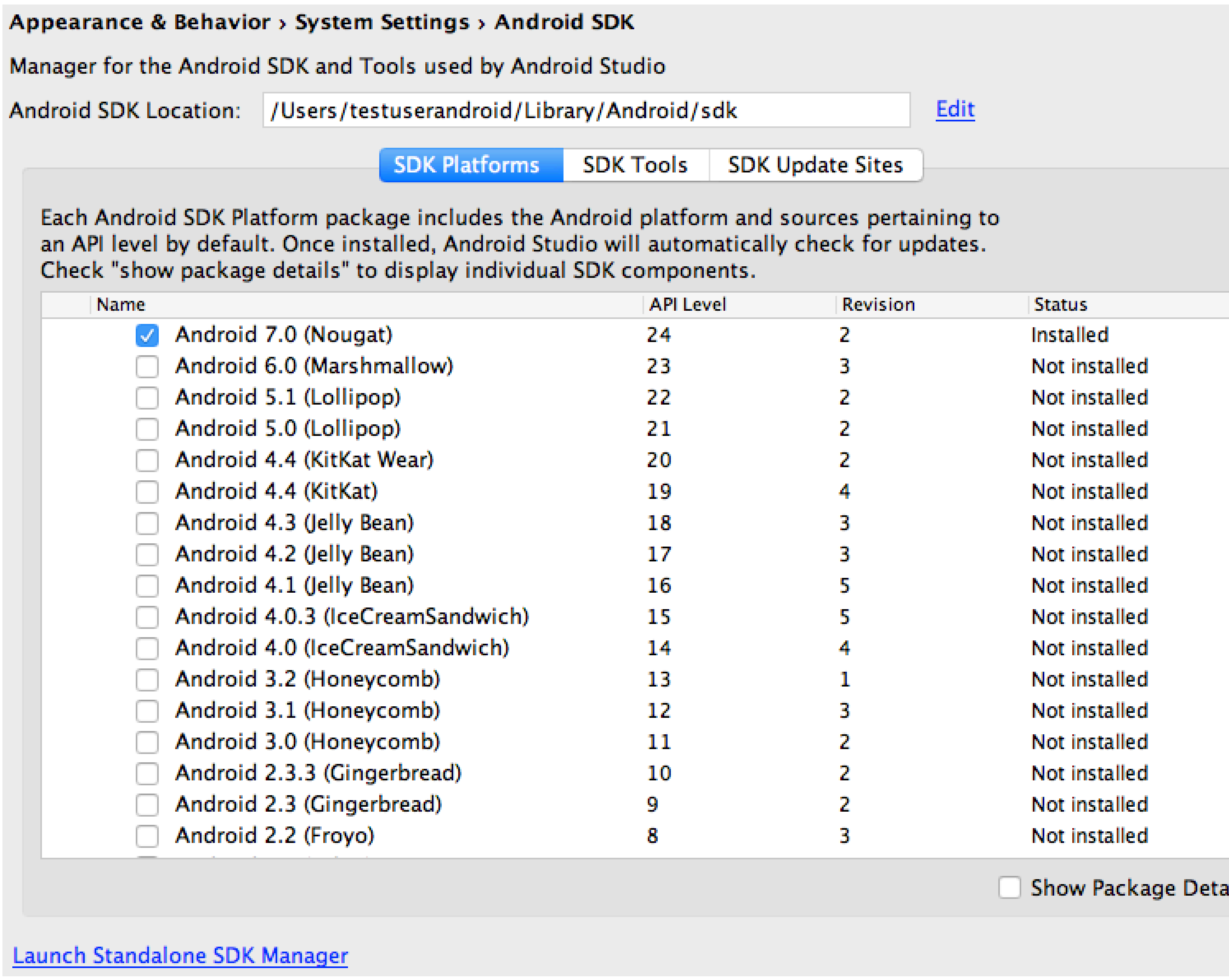
Android SDK e ENV

```
export ANDROID_HOME=/YOUR/LOCAL/ANDROID/SDK
export PATH=$PATH:$ANDROID_HOME/tools:$ANDROID_HOME/platform-tools
```

4

```
android
```

SDK Manager“SDK”“Android 7.0Nougat”。 “”。



Appearance & Behavior › System Settings › Android SDK

Manager for the Android SDK and Tools used by Android Studio

Android SDK Location: /Users/testuserandroid/Library/Android/sdk   Edit

SDK Platforms | SDK Tools | SDK Update Sites

Each Android SDK Platform package includes the Android platform and sources pertaining to an API level by default. Once installed, Android Studio will automatically check for updates. Check "show package details" to display individual SDK components.

	Name	API Level	Revision	Status
✓	Android 7.0 (Nougat)	24	2	Installed
☐	Android 6.0 (Marshmallow)	23	3	Not installed
☐	Android 5.1 (Lollipop)	22	2	Not installed
☐	Android 5.0 (Lollipop)	21	2	Not installed
☐	Android 4.4 (KitKat Wear)	20	2	Not installed
☐	Android 4.4 (KitKat)	19	4	Not installed
☐	Android 4.3 (Jelly Bean)	18	3	Not installed
☐	Android 4.2 (Jelly Bean)	17	3	Not installed
☐	Android 4.1 (Jelly Bean)	16	5	Not installed
☐	Android 4.0.3 (IceCreamSandwich)	15	5	Not installed
☐	Android 4.0 (IceCreamSandwich)	14	4	Not installed
☐	Android 3.2 (Honeycomb)	13	1	Not installed
☐	Android 3.1 (Honeycomb)	12	3	Not installed
☐	Android 3.0 (Honeycomb)	11	2	Not installed
☐	Android 2.3.3 (Gingerbread)	10	2	Not installed
☐	Android 2.3 (Gingerbread)	9	2	Not installed
☐	Android 2.2 (Froyo)	8	3	Not installed

☐ Show Package Deta

Launch Standalone SDK Manager

5

app init

```
react-native init ReactNativeDemo && cd ReactNativeDemo
```

Obs`android/app/build.gradle`Android SDKBuild Tools

```
android {
    compileSdkVersion XX
    buildToolsVersion "XX.X.X"
...
```

6

Android AVD。

```
android avd
```

```
react-native run-android
react-native start
```

https://riptutorial.com/zh-TW/react-native/topic/857/

2: Android -

Examples

Android

```
BackAndroid.addEventListener('hardwareBackPress', function() {
    if (!this.onMainScreen()) {
        this.goBack();
        return true;
    }
    return false;
});
```

`this.onMainScreen()``this.goBack()`。 https://github.com/immidi/react-native/commit/ed7e0fb31d842c63e8b8dc77ce795fac86e0f712

BackAndroidNavigator

React Native`BackAndroidNavigator``BackAndroid`。

`componentWillMount`。 - 。

`BackAndroidNavigator`。

```
import React, { Component } from 'react'; // eslint-disable-line no-unused-vars

import {
  BackAndroid,
  Navigator,
} from 'react-native';

import SceneContainer from './Navigation/SceneContainer';
import RouteMapper from './Navigation/RouteMapper';

export default class AppContainer extends Component {

  constructor(props) {
    super(props);

    this.navigator;
  }

  componentWillMount() {
    BackAndroid.addEventListener('hardwareBackPress', () => {
      if (this.navigator && this.navigator.getCurrentRoutes().length > 1) {
        this.navigator.pop();
        return true;
      }
      return false;
    });
  }
  renderScene(route, navigator) {
    this.navigator = navigator;

    return (
      <SceneContainer
        title={route.title}
        route={route}
        navigator={navigator}
        onBack={() => {
          if (route.index > 0) {
            navigator.pop();
          }
        }}
        {...this.props} />
    );
  }

  render() {
    return (
      <Navigator
        initialRoute={<View />}
        renderScene={this.renderScene.bind(this)}
        navigationBar={
          <Navigator.NavigationBar
            style={{backgroundColor: 'gray'}}
            routeMapper={RouteMapper} />
        } />
    );
  }
};
```

BackHandler

BackAndroid。 BackHandlerBackAndroid。

```
import { BackHandler } from 'react-native';

{...}
  ComponentWillMount(){
    BackHandler.addEventListener('hardwareBackPress',()=>{
      if (!this.onMainScreen()) {
        this.goBack();
        return true;
      }
      return false;
    });
  }
```

BackHandlerBackAndroid

。 。 2

1. 1。
2. 1。

1

```
import { BackHandler } from 'react-native';

constructor(props) {
    super(props)
    this.handleBackButtonClick = this.handleBackButtonClick.bind(this);
}

componentWillMount() {
    BackHandler.addEventListener('hardwareBackPress', this.handleBackButtonClick);
}

componentWillUnmount() {
    BackHandler.removeEventListener('hardwareBackPress', this.handleBackButtonClick);
}

handleBackButtonClick() {
    this.props.navigation.goBack(null);
    return true;
}
```

componentWillUnmount。

2

。

。

Android - https://riptutorial.com/zh-TW/react-native/topic/4668/android----

3: ESLint in react-native

react-nativeESLint。

Examples

ESLint。 ESLint。

react-nativejavascriptreactreact-native。

ESLintjavascript https //github.com/eslint/eslint/tree/master/docs/rules 。 .eslintr.json'extends' 'eslintrecommended'ESLint。 "extends"["eslintrecommended"]ESLint http //eslint.org/docs/developer-guide/development-environment。 。

ES Lint react https //github.com/yannickcr/eslint-plugin-react/tree/master/docs/rules 。 。 react / display-namereact / no-unknown-property。 react-native""react / jsx-no-bindreact / jsx-key。

。

react-native https //github.com/intellicode/eslint-plugin-react-nativereact-native / no-inline-。

react-native env'env'"env"{"browser"true"es6"true"amd"true}

ESLint。

ESLint in react-native https://riptutorial.com/zh-TW/react-native/topic/10650/eslint-in-react-native

4: HTTP

- fetchurloptions[。 then...[。 catch...]]

- Fetch APIHTTPAPI。 。
- XMLHttpRequest APIHTTPApiSauce 。
- Websocket API“”。

Examples

WebSockets

```
var ws = new WebSocket('ws://host.com/path');

ws.onopen = () => {
  // connection opened

  ws.send('something'); // send a message
};

ws.onmessage = (e) => {
  // a message was received
  console.log(e.data);
};

ws.onerror = (e) => {
  // an error occurred
  console.log(e.message);
};

ws.onclose = (e) => {
  // connection closed
  console.log(e.code, e.reason);
};
```

fetch APIHTTP

Fetch 。 https //github.com/github/fetch/issues/89 。

XMLHttpRequest https://developer.mozilla.org/en-US/docs/Web/Events/progress 。

```
fetch('https://mywebsite.com/mydata.json').then(json => console.log(json));

fetch('/login', {
  method: 'POST',
  body: form,
  mode: 'cors',
  cache: 'default',
}).then(session => onLogin(session), failure => console.error(failure));
```

MDN

XMLHttpRequest

```
var request = new XMLHttpRequest();
request.onreadystatechange = (e) => {
  if (request.readyState !== 4) {
    return;
  }

  if (request.status === 200) {
    console.log('success', request.responseText);
  } else {
    console.warn('error');
  }
};

request.open('GET', 'https://mywebsite.com/endpoint/');
request.send();
```

fetch APIReduxPromise

ReduxReact-Native。 fetch APIredux-thunkreducer。

```
export const fetchRecipes = (action) => {
  return (dispatch, getState) => {
    fetch('/recipes', {
        method: 'POST',
        headers: {
          'Accept': 'application/json',
          'Content-Type': 'application/json'
        },
        body: JSON.stringify({
          recipeName,
          instructions,
          ingredients
        })
    })
    .then((res) => {
      // If response was successful parse the json and dispatch an update
      if (res.ok) {
        res.json().then((recipe) => {
          dispatch({
            type: 'UPDATE_RECIPE',
            recipe
          });
        });
      } else {
        // response wasn't successful so dispatch an error
        res.json().then((err) => {
          dispatch({
            type: 'ERROR_RECIPE',
            message: err.reason,
            status: err.status
          });
        });
      }
    })
    .catch((err) => {
      // Runs if there is a general JavaScript error.
      dispatch(error('There was a problem with the request.'));
    });
  };
};
```

WebSocket.io

socket.io-client

```
npm i socket.io-client --save
```

```
import SocketIOClient from 'socket.io-client/dist/socket.io.js'
```

```
constructor(props){
    super(props);
    this.socket = SocketIOClient('http://server:3000');
  }
```

◦ 5pingping。

```
_sendPing(){
    //emit a dong message to socket server
    socket.emit('ding');
}

_getReply(data){
    //get reply from socket server, log it to console
    console.log('Reply from server:' + data);
}
```

```
constructor(props){
    super(props);
    this.socket = SocketIOClient('http://server:3000');

    //bind the functions
    this._sendPing = this._sendPing.bind(this);
    this._getReply = this._getReply.bind(this);
}
```

_getReply。 socket_getReply。

```
this.socket.on('dong', this._getReply);
```

'dong'。

axiosHttp

Webaxios 。

◦ axios.js

```
import * as axios from 'axios';

var instance = axios.create();
instance.defaults.baseURL = serverURL;
instance.defaults.timeout = 20000;]
//...
//and other options

export { instance as default };
```

。

“Swiss knife”

```
import axios from '../axios';
import {
    errorHandling
} from '../common';

const UserService = {
        getCallToAction() {
        return axios.get('api/user/dosomething').then(response => response.data)
            .catch(errorHandling);
    },
}
export default UserService;
```

libaxios axios-mock-adapter 。

libaxios。 axois'es。 prevousaxios.js

```
import MockAdapter from 'axios-mock-adapter';

var mock = new MockAdapter(instance);
mock.onAny().reply(500);
```

。

Redux

redux。

interceptors.js

```
export function getAuthToken(storeContainer) {
    return config => {
        let store = storeContainer.getState();
        config.headers['Authorization'] = store.user.accessToken;
        return config;
    };
}
```

```
axios.interceptors.request.use(getAuthToken(this.state.store));
```

。

axiosreact-native。

HTTP https://riptutorial.com/zh-TW/react-native/topic/2375/http

5:

Examples

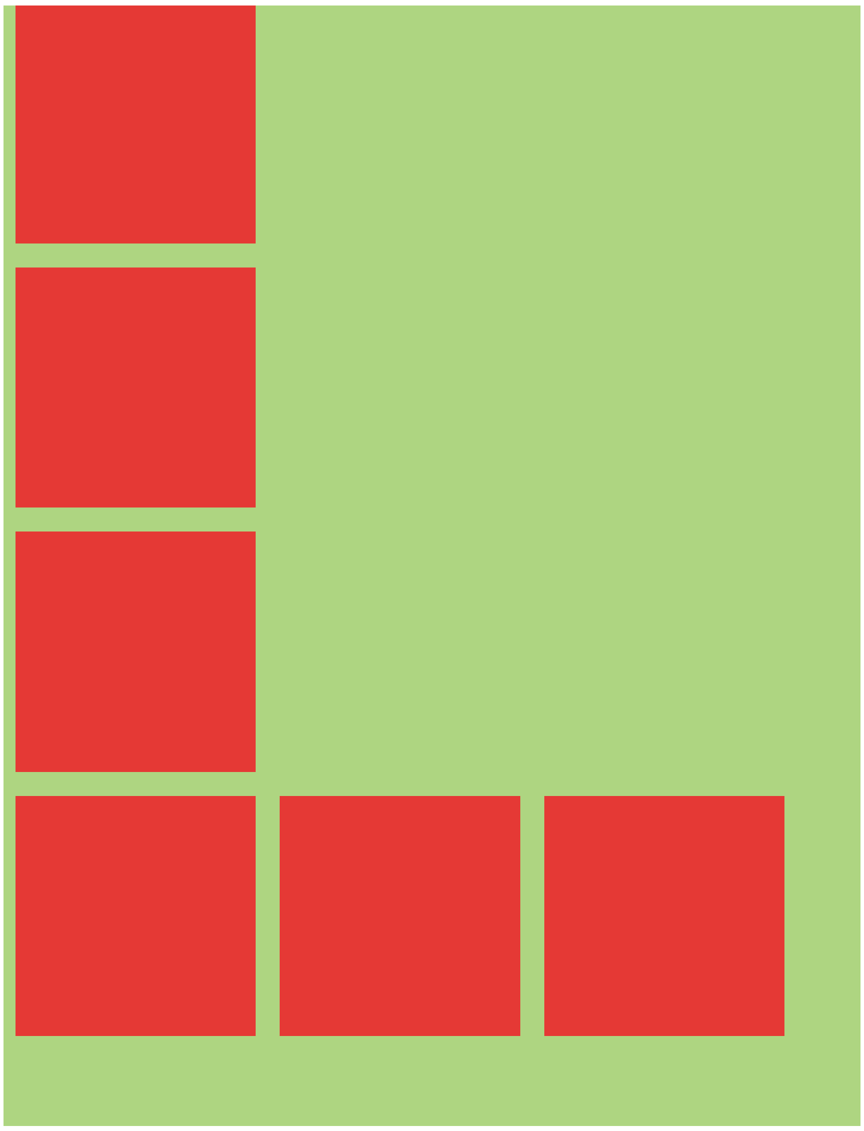
Flexbox

Flexbox。 flexbox。 `flexDirection: 'row'flexDirection: 'row'` 。

flexDirection

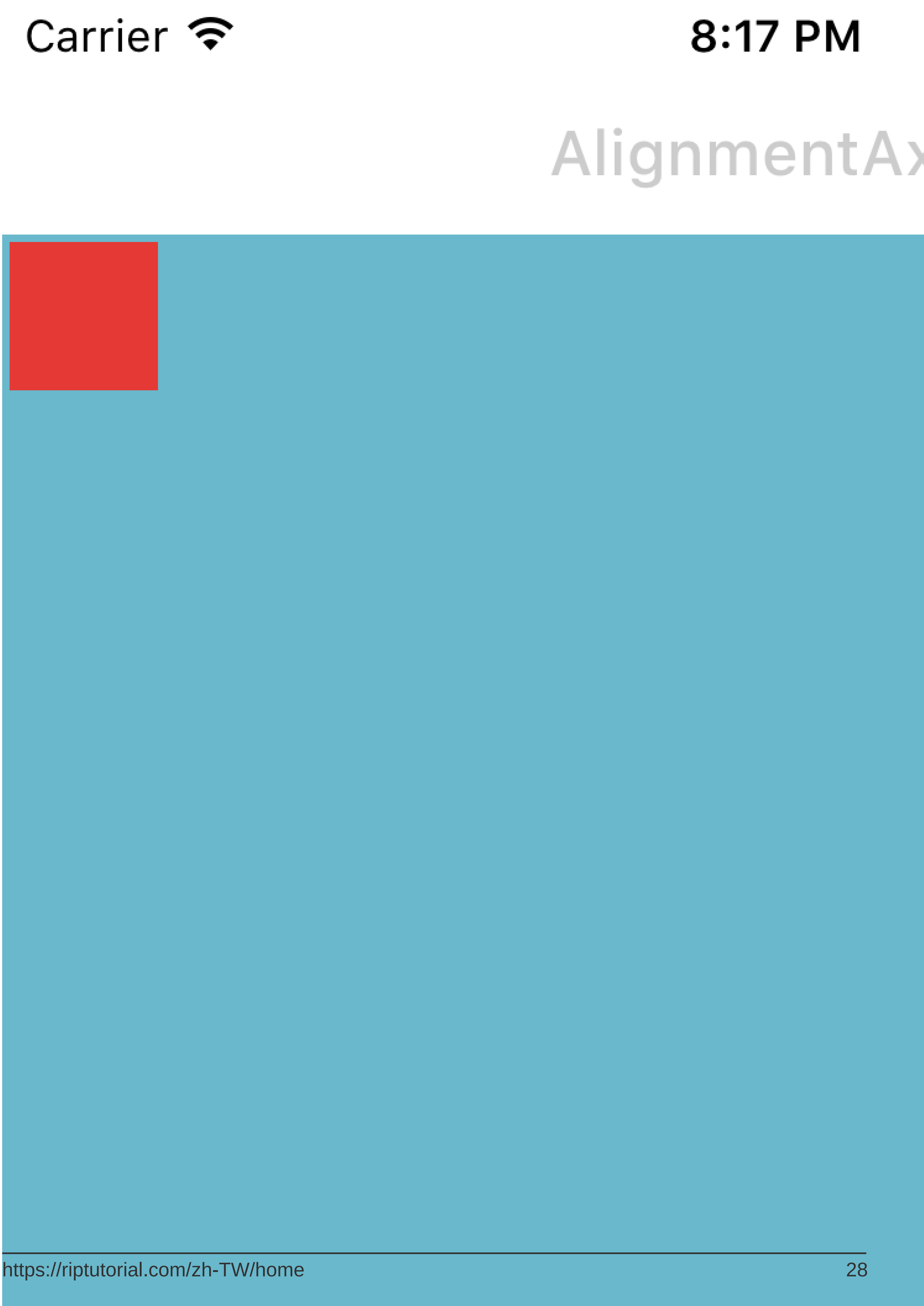
```
const Direction = (props)=>{
  return (
    <View style={styles.container}>
      <Box/>
      <Box/>
      <Box/>
      <View style={{flexDirection:'row'}}>
        <Box/>
        <Box/>
        <Box/>
      </View>
    </View>
  )
}

const styles = StyleSheet.create({
  container: {
    flex:1,
    backgroundColor: '#AED581',
  }
});
```



```
const AlignmentAxis = (props)=>{
  return (
    <View style={styles.container}>
      <Box />
      <View style={{flex:1, alignItems:'flex-end', justifyContent:'flex-end'}}>
        <Box />
        <Box />
      </View>
      <Box />
    </View>
  )
}

const styles = StyleSheet.create({
  container: {
    flex:1,
    backgroundColor: `#69B8CC`,
  },
  text:{
    color: 'white',
    textAlign:'center'
  }
});
```


Carrier
8:17 PM
AlignmentAx

6:

Examples

index.ios.jsindex.android.js

`index.ios.jsindex.android.js<View> </View>。 <Text> Hello World! </Text>。`

`Hello World!`

Hello World

```
import React, { Component } from 'react';
import { AppRegistry, Text } from 'react-native';

class HelloWorldApp extends Component {
  render() {
    return (
      <Text>Hello world!</Text>
    );
  }
}

AppRegistry.registerComponent('HelloWorldApp', () => HelloWorldApp);
```

https://riptutorial.com/zh-TW/react-native/topic/3779/-

7: ListViewRefreshControl

RefreshControl https //facebook.github.io/react-native/docs/refreshcontrol.html

ListView https //facebook.github.io/react-native/docs/listview.html

Examples

```
  _refreshControl(){
    return (
      <RefreshControl
        refreshing={this.state.refreshing}
        onRefresh={()=>this._refreshListView()} />
    )
  }
```

refreshtruefalse。

onRefreshListView / ScrollView。

onRefresh

```
  _refreshListView(){
    //Start Rendering Spinner
    this.setState({refreshing:true})
    this.state.cars.push(
      {name:'Fusion',color:'Black'},
      {name:'Yaris',color:'Blue'}
    )
    //Updating the dataSource with new data
    this.setState({ dataSource:
        this.state.dataSource.cloneWithRows(this.state.cars) })
    this.setState({refreshing:false}) //Stop Rendering Spinner
  }
```

dataSource。 fetchasync / await。

ListView

ScrollViewListView**RefreshControl**pull to refresh。 ListView

```
'use strict'
import React, { Component } from 'react';
import { StyleSheet, View, ListView, RefreshControl, Text } from 'react-native'


class RefreshControlExample extends Component {
  constructor () {
    super()
    this.state = {
      refreshing: false,
      dataSource: new ListView.DataSource({
        rowHasChanged: (row1, row2) => row1 !== row2 }),
      cars : [
        {name:'Datsun',color:'White'},
        {name:'Camry',color:'Green'}
      ]
    }
  }

   componentWillMount(){
     this.setState({ dataSource:
       this.state.dataSource.cloneWithRows(this.state.cars) })
   }

  render() {
    return (
      <View style={{flex:1}}>
        <ListView
          refreshControl={this._refreshControl()}
          dataSource={this.state.dataSource}
          renderRow={(car) => this._renderListView(car)}>
        </ListView>
      </View>
    )
  }

  _renderListView(car){
    return(
      <View style={styles.listView}>
        <Text>{car.name}</Text>
        <Text>{car.color}</Text>
      </View>
    )
  }

  _refreshControl(){
    return (
      <RefreshControl
        refreshing={this.state.refreshing}
        onRefresh={()=>this._refreshListView()} />
    )
  }

  _refreshListView(){
    //Start Rendering Spinner
    this.setState({refreshing:true})
    this.state.cars.push(
      {name:'Fusion',color:'Black'},
      {name:'Yaris',color:'Blue'}
    )
    //Updating the dataSource with new data
    this.setState({ dataSource:
        this.state.dataSource.cloneWithRows(this.state.cars) })
    this.setState({refreshing:false}) //Stop Rendering Spinner
  }

}

const styles = StyleSheet.create({

  listView: {
    flex: 1,
    backgroundColor:'#fff',
    marginTop:10,
    marginRight:10,
    marginLeft:10,
    padding:10,
    borderWidth:.5,
    borderColor:'#dddddd',
    height:70
  }

})

module.exports = RefreshControlExample
```

ListViewRefreshControl https://riptutorial.com/zh-TW/react-native/topic/6672/listviewrefreshcontrol

8:

Examples

ListView - 。 APIListView.DataSourceblobrenderRowListViewblob。

```
getInitialState: function() {
  var ds = new ListView.DataSource({rowHasChanged: (r1, r2) => r1 !== r2});
  return {
    dataSource: ds.cloneWithRows(['row 1', 'row 2']),
  };
},

render: function() {
  return (
    <ListView
      dataSource={this.state.dataSource}
      renderRow={(rowData) => <Text>{rowData}</Text>}
    />
  );
},
```

ListViewonEndReachedonChangeVisibleRows。

ListView

- - rowHasChangedListView - ListViewDataSource。
- - pageSize prop。 。

https://riptutorial.com/zh-TW/react-native/topic/3112/

9: API

Examples

```
class AnimatedImage extends Component {
    constructor(props){
        super(props)
        this.state = {
            logoMarginTop: new Animated.Value(200)
        }
    }
    componentDidMount(){
        Animated.timing(
            this.state.logoMarginTop,
            { toValue: 100 }
        ).start()
    }
    render () {
      return (
        <View>
           <Animated.Image source={require('../images/Logo.png')} style={[baseStyles.logo, {
              marginTop: this.state.logoMarginTop
           }]} />
        </View>
      )
    }
}
```

。

API https://riptutorial.com/zh-TW/react-native/topic/4415/api

10:

Examples

```
$ react-native -v
```

```
react-native-cli: 0.2.0
react-native: n/a - not inside a React Native project directory //Output from  different
folder
react-native: react-native: 0.30.0 // Output from the react native project directory
```

RN

app`package.json`。

```
"react-native": "0.32.0"
```

```
$ npm install
```

```
$ react-native upgrade
```

Android

```
$ react-native log-android
```

iOS

```
$ react-native log-ios
```

React Native

```
react-native init MyAwesomeProject
```

React Native

```
react-native init --version="0.36.0" MyAwesomeProject
```

Android

```
cd MyAwesomeProject
react-native run-android
```

iOS

```
cd MyAwesomeProject
react-native run-ios
```

React Native Packager

```
$ react-native start
```

React Native。 。

8081。

```
$ react-native start --port PORTNUMBER
```

Android

pre-androidandroid。

```
$ react-native android
```

`androidindex.android.js` 。

https://riptutorial.com/zh-TW/react-native/topic/2117/

11:

。

Examples

`Jest`javascript。 facebook

```
import 'react-native';
import React from 'react';
import Index from '../index.android.js';

import renderer from 'react-test-renderer';

it('renders correctly', () => {
  const tree = renderer.create(
    <Index />
  );
});
```

```
import React, { Component } from 'react';
import {
  AppRegistry,
  StyleSheet,
  Text,
  View
} from 'react-native';

export default class gol extends Component {
  render() {
    return (
      <View>
        <Text>
          Welcome to React Native!
        </Text>
        <Text>
          To get started, edit index.android.js
        </Text>
        <Text>
          Double tap R on your keyboard to reload,{'\n'}
          Shake or press menu button for dev menu
        </Text>
      </View>
    );
  }
}

AppRegistry.registerComponent('gol', () => gol);
```

JestReact Native

react-native0.38react-native initJest。 package.json

```
    "scripts": {
    "start": "node node_modules/react-native/local-cli/cli.js start",
    "test": "jest"
    },
    "jest": {
     "preset": "react-native"
    }
```

run npm test or jest。

https://riptutorial.com/zh-TW/react-native/topic/8281/

12:

Examples

react-nativeImage

```
import { Image } from 'react';

<Image source={{uri: 'https://image-souce.com/awesomeImage'}} />
```

```
import { Image } from 'react';

<Image source={require('./img/myCoolImage.png')} />
```

- 。

```
class ImageExample extends Component {
  render() {
    return (
      <View>
        <Image style={{width: 30, height: 30}}
          source={{uri: 'http://facebook.github.io/react/img/logo_og.png'}}
        />
      </View>
    );
  }
}
```

```
<Image style={[this.props.imageStyle]}
        source={this.props.imagePath
        ? this.props.imagePath
        : require('../theme/images/resource.png')}
    />
```

imagePath。

```
let imagePath = require("../../assets/list.png");

<Image style={{height: 50, width: 50}} source={imagePath} />
```

```
<Image style={{height: 50, width: 50}} source={{uri: userData.image}} />
```

```
<Image
    resizeMode="contain"
    style={{height: 100, width: 100}}
    source={require('../assets/image.png')} />
```

。

https://riptutorial.com/zh-TW/react-native/topic/3956/

13: Android

`Could not connect to development server` => `adb reverse tcp:8081 tcp:8081` adb。 `react-native start`

Examples

Android。

1. `adb devices`
   - USB。
2. `adb reverse tcp:8081 tcp:8081`
   - React-Native。 **`Android Version 5Android Version 5`** 。
3. `react-native run-android`
   - 。
4. `react-native start`
   - 。 React-native。

Android https://riptutorial.com/zh-TW/react-native/topic/5135/-android-

14:

Examples

``。

```
render() {
  let firstName = 'test';
  let lastName = 'name';
  return (
    <View style={styles.container}>
      <Text>{`${firstName} ${lastName}` } </Text>
    </View>
  );
}
```

https://riptutorial.com/zh-TW/react-native/topic/10781/

15:

Examples

NavigatorReact Native。 Navigator。

```
<Navigator
  ref={(navigator) => { this.navigator = navigator }}
  initialRoute={{ id: 'route1', title: 'Route 1' }}
  renderScene={this.renderScene.bind(this)}
  configureScene={(route) => Navigator.SceneConfigs.FloatFromRight}
  style={{ flex: 1 }}
  navigationBar={
    // see "Managing the Navigation Bar" below
    <Navigator.NavigationBar routeMapper={this.routeMapper} />
  }
/>
```

initialRoute。 javascript。 。

NavigatorrenderScene prop。

```
renderScene(route, navigator) {
  if (route.id === 'route1') {
    return <ExampleScene navigator={navigator} title={route.title} />; // see below
  } else if (route.id === 'route2') {
    return <ExampleScene navigator={navigator} title={route.title} />; // see below
  }
}
```

ExampleScene

```
function ExampleScene(props) {

  function forward() {
    // this route object will passed along to our `renderScene` function we defined above.
    props.navigator.push({ id: 'route2', title: 'Route 2' });
  }

  function back() {
    // `pop` simply pops one route object off the `Navigator`'s stack
    props.navigator.pop();
  }

  return (
    <View>
      <Text>{props.title}</Text>
      <TouchableOpacity onPress={forward}>
        <Text>Go forward!</Text>
      </TouchableOpacity>
      <TouchableOpacity onPress={back}>
        <Text>Go Back!</Text>
      </TouchableOpacity>
    </View>
  );
}
```

`configureScene` prop`Navigator`◦ `route`◦

- Navigator.SceneConfigs.PushFromRight
- Navigator.SceneConfigs.FloatFromRight
- Navigator.SceneConfigs.FloatFromLeft
- Navigator.SceneConfigs.FloatFromBottom
- Navigator.SceneConfigs.FloatFromBottomAndroid
- Navigator.SceneConfigs.FadeAndroid
- Navigator.SceneConfigs.HorizontalSwipeJump
- Navigator.SceneConfigs.HorizontalSwipeJumpFromRight
- Navigator.SceneConfigs.VerticalUpSwipeJump
- Navigator.SceneConfigs.VerticalDownSwipeJump

◦ iOS `UINavigationControllerinteractivePopGestureRecognizer`

```
configureScene={(route) => {
  return {
    ...Navigator.SceneConfigs.FloatFromRight,
    gestures: {
      pop: {
        ...Navigator.SceneConfigs.FloatFromRight.gestures.pop,
        edgeHitWidth: Dimensions.get('window').width / 2,
      },
    },
  };
}}
```

NavigationBar

`NavigatornavigationBar` propReact◦ `Navigator.NavigationBar` ◦ `routeMapper` prop◦

`routeMapper`javascript `Title` `RightButtonLeftButton` ◦

```
const routeMapper = {

  LeftButton(route, navigator, index, navState) {
    if (index === 0) {
      return null;
    }

    return (
      <TouchableOpacity
        onPress={() => navigator.pop()}
        style={styles.navBarLeftButton}
      >
        <Text>Back</Text>
      </TouchableOpacity>
    );
  },

  RightButton(route, navigator, index, navState) {
    return (
      <TouchableOpacity
        onPress={route.handleRightButtonClick}
        style={styles.navBarRightButton}
      >
        <Text>Next</Text>
      </TouchableOpacity>
   );
  },

  Title(route, navigator, index, navState) {
    return (
      <Text>
        {route.title}
      </Text>
    );
  },
};
```

`Navigator`React Native DocumentationNavigatorsReact Native。

react-navigation

react-navigation 。

```
npm install --save react-navigation
```

```
import { Button, View, Text, AppRegistry } from 'react-native';
import { StackNavigator } from 'react-navigation';

const App = StackNavigator({
  FirstPage: {screen: FirstPage},
  SecondPage: {screen: SecondPage},
});

class FirstPage extends React.Component {
  static navigationOptions = {
    title: 'Welcome',
  };
  render() {
    const { navigate } = this.props.navigation;

    return (
      <Button
        title='Go to Second Page'
        onPress={() =>
          navigate('SecondPage', { name: 'Awesomepankaj' })
        }
      />
    );
  }
}

class SecondPage extends React.Component {
  static navigationOptions = ({navigation}) => ({
    title: navigation.state.params.name,
  });
  render() {
    const { goBack } = this.props.navigation;
    return (
      <View>
        <Text>Welcome to Second Page</Text>
        <Button
          title="Go back to First Page"
          onPress={() => goBack()}
        />
      </View>
    );
  }
}
```

react-nativereact-native-router-flux

`npm install --save react-native-router-flux`

react-native-router-flux`<Scene>`

```
     <Scene key="home" component={LogIn} title="Home" initial />
```

`key`。

`component`

`title`NavBar'Home'

`initial`

```
import React from 'react';
import { Scene, Router } from 'react-native-router-flux';
import LogIn from './components/LogIn';
import SecondPage from './components/SecondPage';

const RouterComponent = () => {
  return (
    <Router>
      <Scene key="login" component={LogIn} title="Login Form" initial />
      <Scene key="secondPage" component={SecondPage} title="Home" />
    </Router>
  );
};

export default RouterComponent;
```

App.js。 。

https://riptutorial.com/zh-TW/react-native/topic/2559/

16:

- void setStatefunction | object nextState[function callback]

Examples

setState

setState - 。 setState。

setState

```
this.setState({myKey: 'myValue'});
```

。

```
this.setState((previousState, currentProps) => {
    return {
        myInteger: previousState.myInteger+1
    }
})
```

setState 。

```
this.setState({myKey: 'myValue'}, () => {
    // Component has re-rendered... do something amazing!
));
```

```
import React, { Component } from 'react';
import { AppRegistry, StyleSheet, Text, View, TouchableOpacity } from 'react-native';

export default class MyParentComponent extends Component {
  constructor(props) {
    super(props);

    this.state = {
      myInteger: 0
    }

  }
  getRandomInteger() {
    const randomInt = Math.floor(Math.random()*100);

    this.setState({
      myInteger: randomInt
    });

  }
  incrementInteger() {
    this.setState((previousState, currentProps) => {
      return {
        myInteger: previousState.myInteger+1
      }
    });

  }
  render() {

    return <View style={styles.container}>

      <Text>Parent Component Integer: {this.state.myInteger}</Text>

      <MyChildComponent myInteger={this.state.myInteger} />

      <Button label="Get Random Integer" onPress={this.getRandomInteger.bind(this)} />
      <Button label="Increment Integer" onPress={this.incrementInteger.bind(this)} />

    </View>

  }
}

export default class MyChildComponent extends Component {
  constructor(props) {
    super(props);
  }
  render() {

    // this will get updated when "MyParentComponent" state changes
    return <View>
      <Text>Child Component Integer: {this.props.myInteger}</Text>
    </View>

  }
}

export default class Button extends Component {
  constructor(props) {
    super(props);
  }
  render() {

    return <TouchableOpacity onPress={this.props.onPress}>
        <View style={styles.button}>
          <Text style={styles.buttonText}>{this.props.label}</Text>
        </View>
      </TouchableOpacity>

  }
}

const styles = StyleSheet.create({
  container: {
    flex: 1,
    justifyContent: 'center',
    alignItems: 'center',
    backgroundColor: '#F5FCFF',
  },
  button: {
    backgroundColor: '#444',
    padding: 10,
    marginTop: 10
  },
  buttonText: {
    color: '#fff'
  }
});

AppRegistry.registerComponent('MyApp', () => MyParentComponent);
```

```
export default class MyComponent extends Component {
  constructor(props) {
    super(props);

    this.state = {
      myInteger: 0
    }
  }
  render() {
    return  (
      <View>
        <Text>Integer: {this.state.myInteger}</Text>
      </View>
    )
  }
}
```

setState。

https://riptutorial.com/zh-TW/react-native/topic/3596/

17:

Examples

/

'react-native'Platform

```
import { Platform } from 'react-native'
```

`Platform.OS`

```
const styles = StyleSheet.create({
  height: (Platform.OS === 'ios') ? 200 : 100,
})
```

Android`Platform.Version`

```
if (Platform.Version === 21) {
  console.log('Running on Lollipop!');
}
```

iOSPlatform.VersionString。

```
if (parseInt(Platform.Version, 10) >= 9) {
    console.log('Running version higher than 8');
}
```

。

- `MyTask.android.js`
- `MyTask.ios.js`

```
const MyTask = require('./MyTask')
```

https://riptutorial.com/zh-TW/react-native/topic/3593/

18:

Examples

js。 。

```
//In the page "Home", I want to have the right nav button to show
//a settings modal that resides in "Home" component.

componentWillMount() {
  this.props.route.navbarTitle = "Home";

  this.props.route.rightNavButton = {
    text: "Settings",
    onPress: this._ShowSettingsModal.bind(this)
  };
}
```

```
'use strict';

import React, {Component} from 'react';
import ReactNative from 'react-native';

const {
  AppRegistry,
  StyleSheet,
  Text,
  View,
  Navigator,
  Alert,
  TouchableHighlight
} = ReactNative;


//This is the app container that contains the navigator stuff
class AppContainer extends Component {

    renderScene(route, navigator) {
        switch(route.name) {
            case "Home":
      //You must pass route as a prop for this trick to work properly
            return <Home route={route} navigator={navigator} {...route.passProps}  />
            default:
            return (
        <Text route={route}
        style={styles.container}>
            Your route name is probably incorrect {JSON.stringify(route)}
            </Text>
      );
        }
    }

  render() {
    return (
      <Navigator
        navigationBar={
          <Navigator.NavigationBar
            style={ styles.navbar }
            routeMapper={ NavigationBarRouteMapper } />
        }

        initialRoute={{ name: 'Home' }}
        renderScene={ this.renderScene }

      />
    );
  }
}


//Nothing fancy here, except for checking for injected buttons.
//Notice how we are checking if there are injected buttons inside the route object.
//Also, we are showing a "Back" button when the page is not at index-0 (e.g. not home)
var NavigationBarRouteMapper = {
  LeftButton(route, navigator, index, navState) {
    if(route.leftNavButton) {
      return (
        <TouchableHighlight
        style={styles.leftNavButton}
        underlayColor="transparent"
        onPress={route.leftNavButton.onPress}>
          <Text style={styles.navbarButtonText}>{route.leftNavButton.text}</Text>
        </TouchableHighlight>
      );
    }
    else if(route.enableBackButton) {
      return (
        <TouchableHighlight
        style={styles.leftNavButton}
        underlayColor="transparent"
        onPress={() => navigator.pop() }>
          <Text style={styles.navbarButtonText}>Back</Text>
        </TouchableHighlight>
      );
    }
  },
  RightButton(route, navigator, index, navState) {
    if(route.rightNavButton) {
      return (
        <TouchableHighlight
        style={styles.rightNavButton}
        underlayColor="transparent"
        onPress={route.rightNavButton.onPress}>
          <Text style={styles.navbarButtonText}>{route.rightNavButton.text}</Text>
        </TouchableHighlight>
      );
    }
  },
  Title(route, navigator, index, navState) {
    //You can inject the title aswell.  If you don't we'll use the route name.
    return (<Text style={styles.navbarTitle}>{route.navbarTitle || route.name}</Text>);
  }
};

//This is considered a sub-page that navigator is showing
class Home extends Component {
  //This trick depends on that componentWillMount fires before the navbar is created
  componentWillMount() {
        this.props.route.navbarTitle = "Home";

        this.props.route.rightNavButton = {
            text: "Button",
            onPress: this._doSomething.bind(this)
        };
    }

  //This method will be invoked by pressing the injected button.
  _doSomething() {
      Alert.alert(
      'Awesome, eh?',
      null,
      [
        {text: 'Indeed'},
      ]
    )
  }

  render() {
    return (
      <View style={styles.container}>
            <Text>You are home</Text>
        </View>
    );
  }
}

var styles = StyleSheet.create({
  container: {
    flex: 1,
    justifyContent: 'center',
    alignItems: 'center',
    backgroundColor: '#F5FCFF',
    marginTop: 66
  },
  navbar: {
    backgroundColor: '#ffffff',
  },
  navbarTitle: {
    marginVertical: 10,
    fontSize: 17
  },
  leftNavButton: {
    marginVertical: 10,
    paddingLeft: 8,
 },
  rightNavButton: {
    marginVertical: 10,
    paddingRight: 8,
  },
  navbarButtonText: {
    fontSize: 17,
    color: "#007AFF"
  }
});

AppRegistry.registerComponent('AppContainer', () => AppContainer);
```

https://riptutorial.com/zh-TW/react-native/topic/6416/

19:

zo0rnpmreact-native-push-notification。 。

npm install --save react-native-push-notification

GitHub Repo 。

Examples

PushNotification

```
react-native init PushNotification
```

index.android.js

```
import React, { Component } from 'react';

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

import PushNotification from 'react-native-push-notification';

export default class App extends Component {

    constructor(props){
        super(props);

        this.NewNotification = this.NewNotification.bind(this);
      }

    componentDidMount(){

        PushNotification.configure({

            // (required) Called when a remote or local notification is opened or received
            onNotification: function(notification) {
                console.log( 'NOTIFICATION:', notification );
            },

            // Should the initial notification be popped automatically
            // default: true
            popInitialNotification: true,

            /**
              * (optional) default: true
              * - Specified if permissions (ios) and token (android and ios) will requested or
not,
              * - if not, you must call PushNotificationsHandler.requestPermissions() later
              */
            requestPermissions: true,
        });

    }

      NewNotification(){

          let date = new Date(Date.now() + (this.state.seconds * 1000));

          //Fix for IOS
        if(Platform.OS == "ios"){
            date = date.toISOString();
        }

        PushNotification.localNotificationSchedule({
            message: "My Notification Message", // (required)
            date: date,// (optional) for setting delay
            largeIcon:""// set this blank for removing large icon
            //smallIcon: "ic_notification", // (optional) default: "ic_notification" with
fallback for "ic_launcher"
        });
    }

      render() {

        return (
            <View style={styles.container}>
                <Text style={styles.welcome}>
                  Push Notification
                </Text>
                <View style={styles.Button} >
                <Button
                  onPress={()=>{this.NewNotification()}}
                  title="Show Notification"
                  style={styles.Button}
                  color="#841584"
                  accessibilityLabel="Show Notification"
                />
                </View>
            </View>
        );
      }
}

const styles = StyleSheet.create({
  container: {
    flex: 1,
    justifyContent: 'center',
    alignItems: 'center',
    backgroundColor: '#F5FCFF',
  },
  welcome: {
    fontSize: 20,
    textAlign: 'center',
    margin: 10,
  },
  Button:{
    margin: 10,
  }
});
```

```
AppRegistry.registerComponent('PushNotification', () => App);
```

/。。

```
'use strict';

import React, { Component } from 'react';
import {
    StyleSheet,
    Text,
    View,
    Navigator,
    TouchableOpacity,
    AsyncStorage,
    BackAndroid,
    Platform,
} from 'react-native';
import PushNotification from 'react-native-push-notification';

let initialRoute = { id: 'loginview' }

export default class MainClass extends Component
{
    constructor(props)
    {
        super(props);

        this.handleNotification = this.handleNotification.bind(this);
    }

    handleNotification(notification)
    {
        console.log('handleNotification');
        var notificationId = ''
        //your logic to get relevant information from the notification

    //here you navigate to a scene in your app based on the notification info
        this.navigator.push({ id: Constants.ITEM_VIEW_ID, item: item });
    }

    componentDidMount()
    {
        var that = this;

        PushNotification.configure({

            // (optional) Called when Token is generated (iOS and Android)
            onRegister: function(token) {
                console.log( 'TOKEN:', token );
            },

            // (required) Called when a remote or local notification is opened or received
            onNotification(notification) {
                console.log('onNotification')
                console.log( notification );

                that.handleNotification(notification);
            },
            // ANDROID ONLY: (optional) GCM Sender ID.
            senderID: "Vizido",

            // IOS ONLY (optional): default: all - Permissions to register.
            permissions: {
                alert: true,
                badge: true,
                sound: true
            },

            // Should the initial notification be popped automatically
            // default: true
            popInitialNotification: true,

            /**
              * (optional) default: true
              * - Specified if permissions (ios) and token (android and ios) will requested or
not,
              * - if not, you must call PushNotificationsHandler.requestPermissions() later
              */
            requestPermissions: true,
        });
    }

    render()
    {

        return (
            <Navigator
                ref={(nav) => this.navigator = nav }
                initialRoute={initialRoute}
                renderScene={this.renderScene.bind(this)}
                configureScene={(route) =>
                    {
                        if (route.sceneConfig)
                        {
                            return route.sceneConfig;
                        }
                        return Navigator.SceneConfigs.FadeAndroid;
                    }
                }
            />
        );
    }

    renderScene(route, navigator)
    {

        switch (route.id)
        {
            // do your routing here
            case 'mainview':
                return ( <MainView navigator={navigator} /> );

            default:
                return ( <MainView navigator={navigator} /> );
        }
    }
}
```

https://riptutorial.com/zh-TW/react-native/topic/9674/

20:

Examples

IOS

http://facebook.github.io/react-native/docs/native-modules-ios.html

APIReact Native。 Objective-CSwiftC ++JavaScript。

Native Module`RCTBridgeModule`Objective-C。

Xcode**Cocoa Touch Class** *NativeModule* `NSObjectObjective-C` 。

`NativeModuleEx.hNativeModuleEx.m`

`RCTBridgeModule.hNativeModuleEx.h`

```
#import <Foundation/Foundation.h>
#import "RCTBridgeModule.h"

@interface NativeModuleEx : NSObject <RCTBridgeModule>

@end
```

`NativeModuleEx.m`

```
#import "NativeModuleEx.h"

@implementation NativeModuleEx

RCT_EXPORT_MODULE();

RCT_EXPORT_METHOD(testModule:(NSString *)string )
{
  NSLog(@"The string '%@' comes from JavaScript! ", string);
}

@end
```

`RCT_EXPORT_MODULE()`JavaScript。 Objective-C。

`RCT_EXPORT_METHOD()`JavaScriptJavaScript。

JavaScript

```
import { NativeModules } from 'react-native';
```

```
var NativeModuleEx = NativeModules.NativeModuleEx;

NativeModuleEx.testModule('Some String !');
```

https://riptutorial.com/zh-TW/react-native/topic/6155/

21:

Component.render。

Examples

JSX

JSXlambda。

https://github.com/yannickcr/eslint-plugin-react/blob/master/docs/rules/jsx-no-bind.md

JSX prop。 。 propprop。

jsx

```
                    <TextInput
                      onChangeValue={  value => this.handleValueChanging(value) }
                    />
```

```
                    <button onClick={ this.handleClick.bind(this) }></button>
```

```
                    <TextInput
                      onChangeValue={  this.handleValueChanging }
                    />
```

```
                    <button onClick={ this.handleClick }></button>
```

handleValueChanging

```
          constructor(){
            this.handleValueChanging = this.handleValueChanging.bind(this)
          }
```

https //github.com/andreypopp/autobind-decorator @autobind

```
        @autobind
        handleValueChanging(newValue)
        {
            //processing event
        }
```

https://riptutorial.com/zh-TW/react-native/topic/10649/

22: AndroidAPK

APKCLI

Android。 apk。

https //facebook.github.io/react-native/docs/signed-apk-android.html

Examples

APK

```
keytool -genkey -v -keystore my-app-key.keystore -alias my-app-alias -keyalg RSA -keysize 2048
-validity 10000
```

```
react-native bundle --platform android --dev false --entry-file index.android.js \
--bundle-output android/app/src/main/assets/index.android.bundle \
--assets-dest android/app/src/main/res/
```

gradle

```
cd android && ./gradlew assembleRelease
```

APK

APK。 -r

```
adb install -r ./app/build/outputs/apk/app-release-unsigned.apk
```

APK

```
./app/build/outputs/apk/app-release.apk
```

AndroidAPK https://riptutorial.com/zh-TW/react-native/topic/8964/androidapk

23: WebView

Webviewhtml。 。

Examples

webview

```
import React, { Component } from 'react';
import { WebView } from 'react-native';

class MyWeb extends Component {
  render() {
    return (
      <WebView
        source={{uri: 'https://github.com/facebook/react-native'}}
        style={{marginTop: 20}}
       />
    );
  }
}
```

WebView https://riptutorial.com/zh-TW/react-native/topic/8763/webview

24:

Examples

```
import React, { Component } from 'react'
import { View, Text, AppRegistry } from 'react-native'

class Example extends Component {
  render () {
    return (
      <View>
        <Text> I'm a basic Component </Text>
      </View>
    )
  }
}

AppRegistry.registerComponent('Example', () => Example)
```

◦

```
import React, { Component } from 'react'
import { View, Text, AppRegistry } from 'react-native'

class Example extends Component {
  constructor (props) {
    super(props)
    this.state = {
      name: "Sriraman"
    }
  }
  render () {
    return (
      <View>
        <Text> Hi, {this.state.name}</Text>
      </View>
    )
  }
}

AppRegistry.registerComponent('Example', () => Example)
```

◦ ◦ ◦

`const name = ({props}) => ( ... )` ◦ ◦

Beneath`AppTitle`

```
import React from 'react'
import { View, Text, AppRegistry } from 'react-native'

const Title = ({Message}) => (
  <Text>{Message}</Text>
)

const App = () => (
  <View>
    <Title title='Example Stateless Component' />
  </View>
)

AppRegistry.registerComponent('App', () => App)
```

。 。

https://riptutorial.com/zh-TW/react-native/topic/5532/

25:

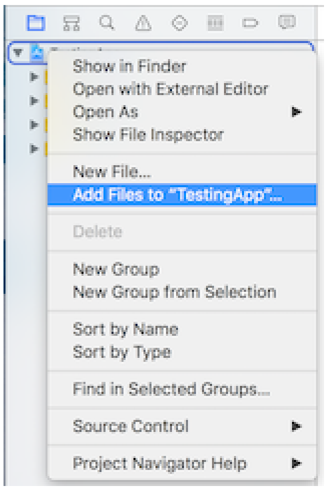
Examples

React NativeAndroid

1. `android/app/src/main/assets/fonts/font_name.ttf`
2. `react-native run-android`Android
3. React Native Styles`fontFamily: 'font_name'`

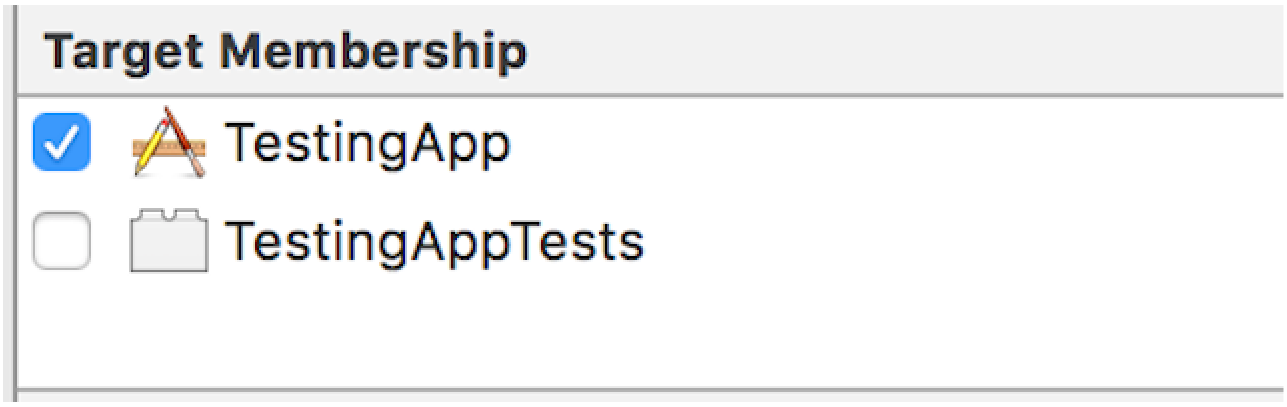
React NativeiOS

1.Xcode。



2.“”

。



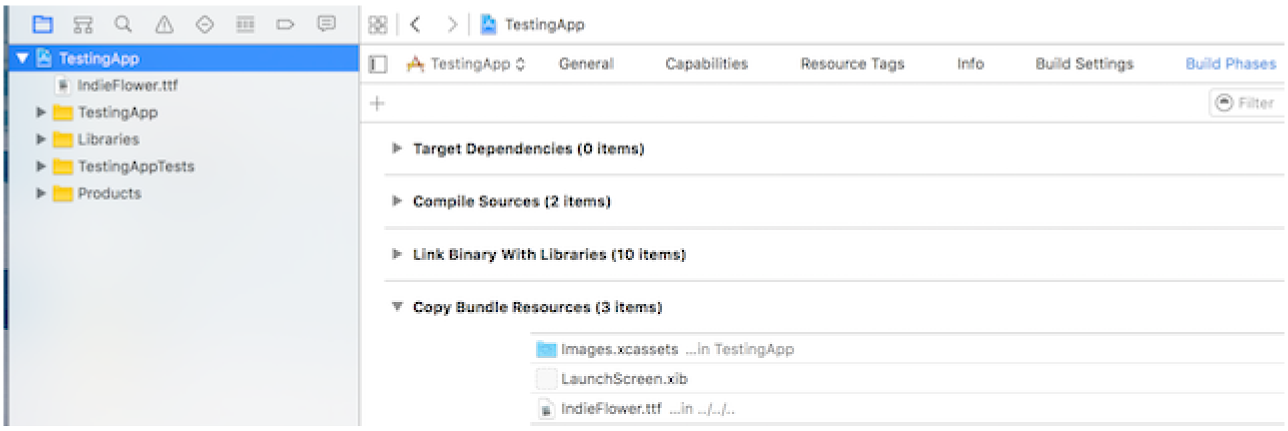
Target Membership

☑ TestingApp

☐ TestingAppTests

3.

Xcode“Build Phases”Copy Bundle Resources“。 。



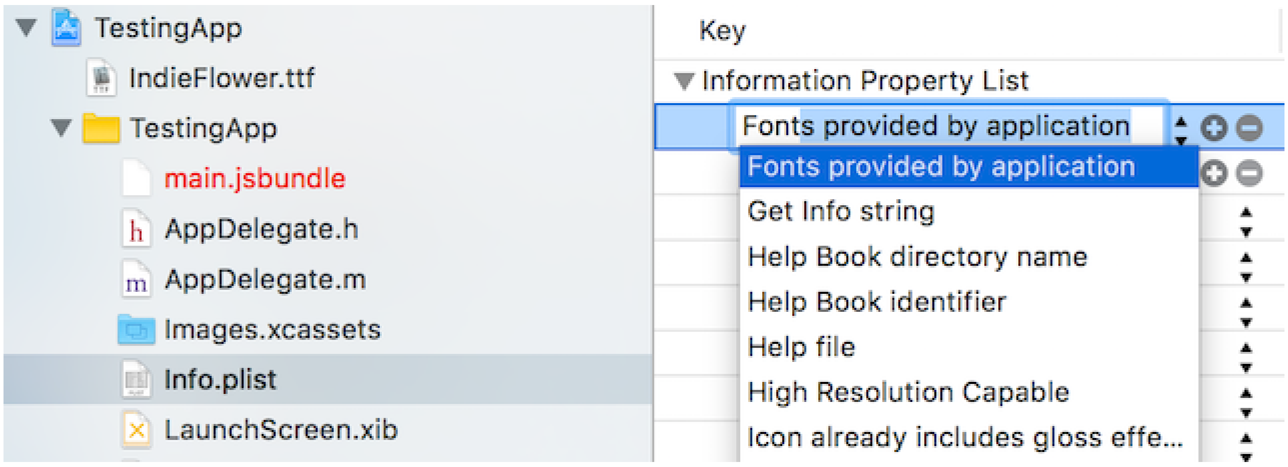
TestingApp
IndieFlower.ttf
TestingApp
Libraries
TestingAppTests
Products

TestingApp | General | Capabilities | Resource Tags | Info | Build Settings | Build Phases

Target Dependencies (0 items)
Compile Sources (2 items)
Link Binary With Libraries (10 items)
Copy Bundle Resources (3 items)
Images.xcassets ...in TestingApp
LaunchScreen.xib
IndieFlower.ttf ...in ../../..

4.PlistInfo.plist

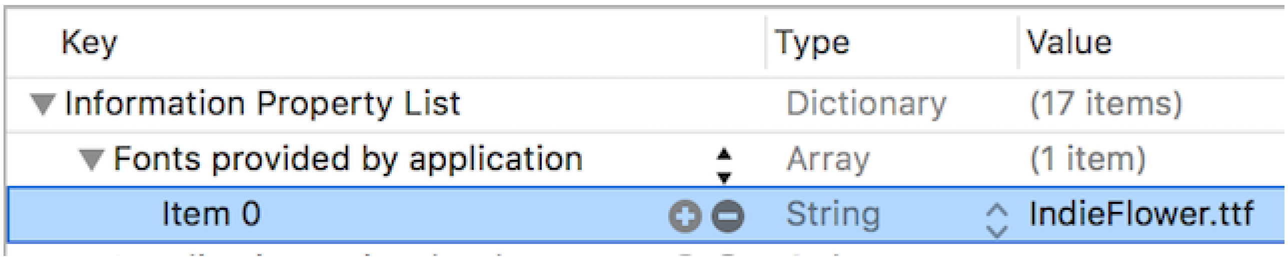
Info.plist“”+。 “”。



TestingApp
IndieFlower.ttf
TestingApp
main.jsbundle
AppDelegate.h
AppDelegate.m
Images.xcassets
Info.plist
LaunchScreen.xib

Key
Information Property List
Fonts provided by application
Fonts provided by application
Get Info string
Help Book directory name
Help Book identifier
Help file
High Resolution Capable
Icon already includes gloss effe...

5.

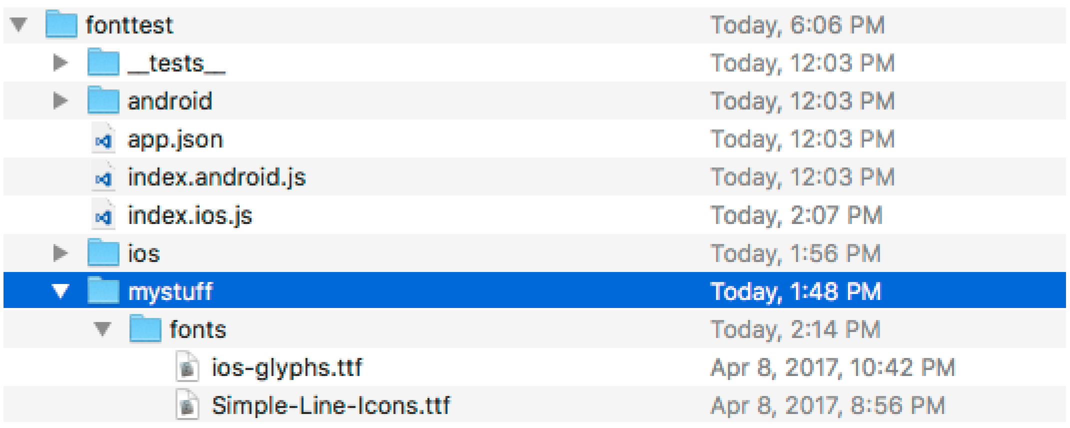


Key	Type	Value
Information Property List	Dictionary	(17 items)
Fonts provided by application	Array	(1 item)
Item 0	String	IndieFlower.ttf

6.
```
<Text style={{fontFamily:'IndieFlower'}}>
  Welcome to React Native!
</Text>
```

AndroidIOS

- 。
  - root“mystuff”“fonts”

◦ 

▼ fonttest	Today, 6:06 PM
▶ __tests__	Today, 12:03 PM
▶ android	Today, 12:03 PM
app.json	Today, 12:03 PM
index.android.js	Today, 12:03 PM
index.ios.js	Today, 2:07 PM
▶ ios	Today, 1:56 PM
▼ mystuff	Today, 1:48 PM
▼ fonts	Today, 2:14 PM
ios-glyphs.ttf	Apr 8, 2017, 10:42 PM
Simple-Line-Icons.ttf	Apr 8, 2017, 8:56 PM

- `package.json`。

```
{
    ...

    "rnpm": {
        "assets": [
          "path/to/fontfolder"
        ]
    },

    ...
}
```

  ◦ package.json“mystuff / fonts”

  ```
  "rnpm": {
    "assets": [
      "mystuff/fonts"
    ]
  }
  ```

- `react-native link`。

-
  ```
  <Text style={{ fontFamily: 'FONT-NAME' }}>
      My Text
  </Text>
  ```

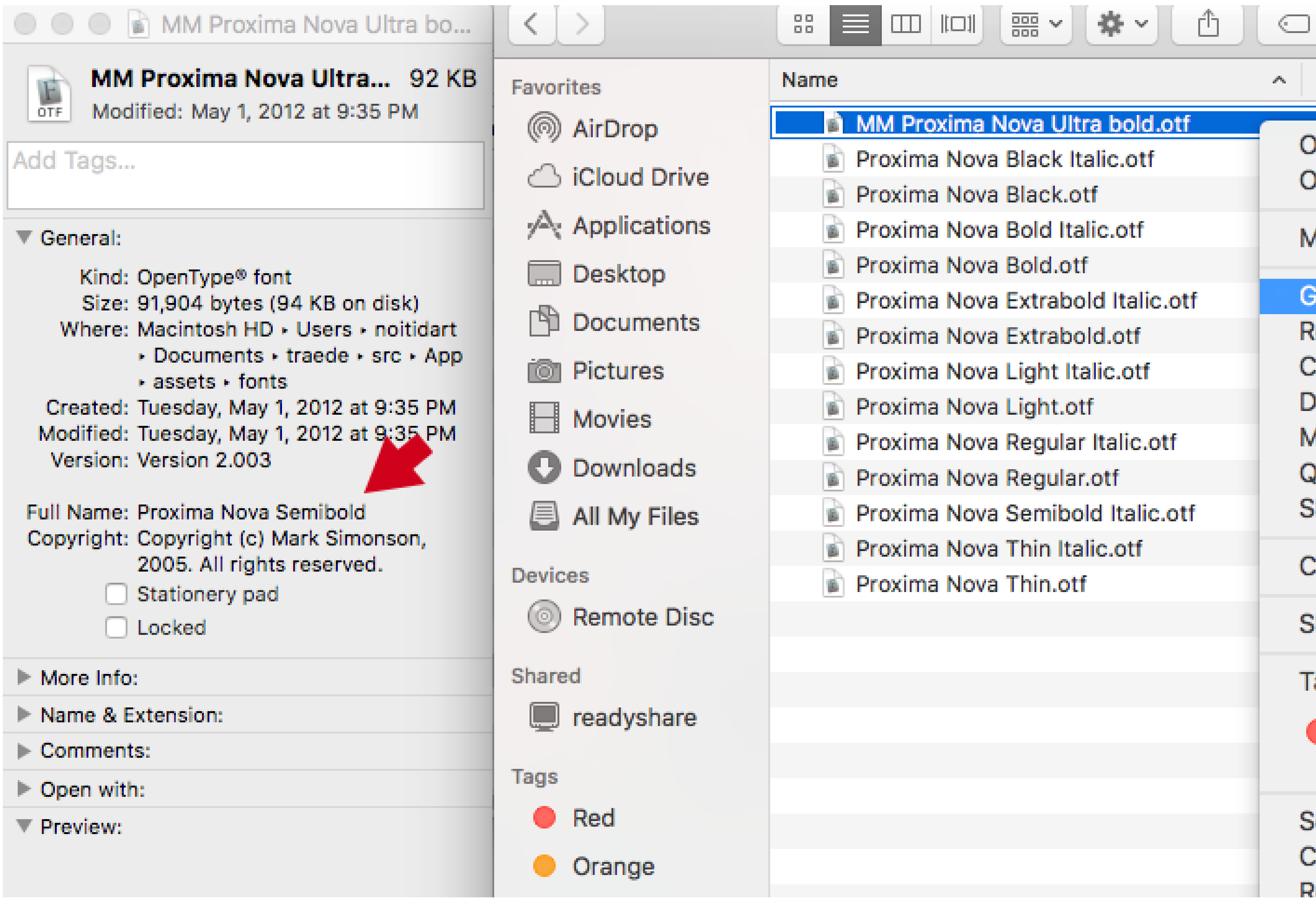
`FONT-NAME`。

Android

FONT-NAME。 `Roboto-Regular.ttf fontFamily: Roboto-Regular` 。

iOS

FONT-NAME“”“”。 https `MM Proxima Nova Ultra bold.otf MM Proxima Nova Ultra bold.otf` “” “Proxima Nova Semibold”`fontFamily: Proxima Nova Semibold` 。 -


MM Proxima Nova Ultra bo...

MM Proxima Nova Ultra... 92 KB
Modified: May 1, 2012 at 9:35 PM

Add Tags...

General:

Kind: OpenType® font
Size: 91,904 bytes (94 KB on disk)
Where: Macintosh HD ▸ Users ▸ noitidart ▸ Documents ▸ traede ▸ src ▸ App ▸ assets ▸ fonts
Created: Tuesday, May 1, 2012 at 9:35 PM
Modified: Tuesday, May 1, 2012 at 9:35 PM
Version: Version 2.003

Full Name: Proxima Nova Semibold
Copyright: Copyright (c) Mark Simonson, 2005. All rights reserved.
Stationery pad
Locked

More Info:
Name & Extension:
Comments:
Open with:
Preview:

Favorites: AirDrop, iCloud Drive, Applications, Desktop, Documents, Pictures, Movies, Downloads, All My Files
Devices: Remote Disc
Shared: readyshare
Tags: Red, Orange

Name
MM Proxima Nova Ultra bold.otf
Proxima Nova Black Italic.otf
Proxima Nova Black.otf
Proxima Nova Bold Italic.otf
Proxima Nova Bold.otf
Proxima Nova Extrabold Italic.otf
Proxima Nova Extrabold.otf
Proxima Nova Light Italic.otf
Proxima Nova Light.otf
Proxima Nova Regular Italic.otf
Proxima Nova Regular.otf
Proxima Nova Semibold Italic.otf
Proxima Nova Thin Italic.otf
Proxima Nova Thin.otf

- `react-native run-iosreact-native run-android`

https://riptutorial.com/zh-TW/react-native/topic/4341/

26: Firebase

//app apifirebase'firebase'firebase;

componentWillMount{firebase.initializeApp{apiKey“yourAPIKey”authDomain“authDomainNAme” databaseURL“yourDomainBaseURL”projectId“yourProjectID”storageBucket“storageBUcketValue” messagingSenderId“senderIdValue”}; firebase.auth。 signInWithEmailAndPasswordemail password.thenthis.onLoginSuccess}}

Examples

React Native - FirebaseListView

FirebaseListView。

FirebasePosts.js

Posts.js

```
import PostsList from './PostsList';

class Posts extends Component{
    constructor(props) {
        super(props);
        this.state = {
            posts: []
        }
    }

    componentWillMount() {
        firebase.database().ref('Posts/').on('value', function(data) {
            this.setState({ posts: data.val() });
        });
    }

    render() {
        return <PostsList posts={this.state.posts}/>
    }
}
```

PostsList.js

```
class PostsList extends Component {
    constructor(props) {
        super(props);
        this.state = {
            dataSource: new ListView.DataSource({
                rowHasChanged: (row1, row2) => row1 !== row2
            }),
        }
    }
    getDataSource(posts: Array<any>): ListView.DataSource {
        if(!posts) return;
        return this.state.dataSource.cloneWithRows(posts);
    }

    componentDidMount() {
        this.setState({dataSource: this.getDataSource(this.props.posts)});
    }

    componentWillReceiveProps(props) {
        this.setState({dataSource: this.getDataSource(props.posts)});
    }

    renderRow = (post) => {
        return (
            <View>
                <Text>{post.title}</Text>
                <Text>{post.content}</Text>
            </View>
        );
    }

    render() {
        return(
            <ListView
                dataSource={this.state.dataSource}
                renderRow={this.renderRow}
                enableEmptySections={true}
            />
        );
    }
}
```

Posts.js firebase。

ListView。 。

[http://stackoverflow.com/questions/38414289/react-native-listview-not-rendering-data-from-firebase] [1]

FirebaseReact Native

app apifirebase

```
import firebase from 'firebase';
componentWillMount() {
firebase.initializeApp({
  apiKey: "yourAPIKey",
  authDomain: "authDomainNAme",
  databaseURL: "yourDomainBaseURL",
  projectId: "yourProjectID",
  storageBucket: "storageBUcketValue",
  messagingSenderId: "senderIdValue"
});
    firebase.auth().signInWithEmailAndPassword(email, password)
  .then(this.onLoginSuccess)
  .catch(() => {
    firebase.auth().createUserWithEmailAndPassword(email, password)
      .then(this.onLoginSuccess)
      .catch(this.onLoginFail)
  })
}
```

Firebase https://riptutorial.com/zh-TW/react-native/topic/6391/firebase

27:

。

animationType	' " " '。
	。
	。
	。
onRequestClose **android**	
onOrientationChange **IOS**	
supportedOrientations **IOS**	enum'portrait''portrait-upside-down''landscape''landscape-left' 'landscape-right'

Examples

```
import React, { Component } from 'react';
import {
  Modal,
  Text,
  View,
  Button,
  StyleSheet,
} from 'react-native';

const styles = StyleSheet.create({
  mainContainer: {
    marginTop: 22,
  },
  modalContainer: {
    marginTop: 22,
  },
});

class Example extends Component {
  constructor() {
    super();
    this.state = {
      visibility: false,
    };
  }


  setModalVisibility(visible) {
    this.setState({
      visibility: visible,
    });
  }

  render() {
    return (
      <View style={styles.mainContainer}>
        <Modal
          animationType={'slide'}
          transparent={false}
          visible={this.state.visibility}
        >
          <View style={styles.modalContainer}>
            <View>
              <Text>I'm a simple Modal</Text>
              <Button
                color="#000"
                onPress={() => this.setModalVisibility(!this.state.visibility)}
                title="Hide Modal"
              />
            </View>
          </View>
        </Modal>

        <Button
          color="#000"
          onPress={() => this.setModalVisibility(true)}
          title="Show Modal"
        />
      </View>
    );
  }
}

export default Example;
```

。

```
import React, { Component } from 'react';
import { Text, View, StyleSheet, Button, Modal } from 'react-native';
import { Constants } from 'expo';

export default class App extends Component {
  state = {
    modalVisible: false,
  };

  _handleButtonPress = () => {
    this.setModalVisible(true);
  };

  setModalVisible = (visible) => {
    this.setState({modalVisible: visible});
  }

  render() {
    var modalBackgroundStyle = {
      backgroundColor: 'rgba(0, 0, 0, 0.5)'
    };
    var innerContainerTransparentStyle = {backgroundColor: '#fff', padding: 20};
    return (
      <View style={styles.container}>
      <Modal
          animationType='fade'
          transparent={true}
          visible={this.state.modalVisible}
          onRequestClose={() => this.setModalVisible(false)}
          >
          <View style={[styles.container, modalBackgroundStyle]}>
            <View style={innerContainerTransparentStyle}>
              <Text>This is a modal</Text>
              <Button title='close'
                onPress={this.setModalVisible.bind(this, false)}/>
            </View>
          </View>
        </Modal>
        <Button
          title="Press me"
          onPress={this._handleButtonPress}
        />

      </View>
    );
  }
}

const styles = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: 'center',
    justifyContent: 'center',
    paddingTop: Constants.statusBarHeight,
    backgroundColor: '#ecf0f1',
  }
});
```

https://riptutorial.com/zh-TW/react-native/topic/8253/

28:

- ;

Examples

AndroidJS

Developer。 Google Chrome。 js。

console.log

`console.log()`。 Android

```
react-native log-android
```

iOS

```
react-native log-ios
```

https://riptutorial.com/zh-TW/react-native/topic/5105/

29:

。 。

Examples

NavigatorIOSandroid。

```
import React, { Component } from 'react';
import { Text, Navigator, TouchableHighlight } from 'react-native';

export default class NavAllDay extends Component {
  render() {
    return (
      <Navigator
        initialRoute={{ title: 'Awesome Scene', index: 0 }}
        renderScene={(route, navigator) =>
          <Text>Hello {route.title}!</Text>
        }
        style={{padding: 100}}
      />
    );
  }
}
```

Navigator。 renderScene。 initialRoute。

https://riptutorial.com/zh-TW/react-native/topic/8279/

30:

JSONCSS。 `StyleSheet.create(StyleObject)StyleSheet.create(StyleObject)`。 CSS。

- `<Component style={styleFromStyleSheet} />`
- `<Component style={styleObject} />`
- `<Component style={[style1,style2]} />`

React NativeCSS。 `text-decorationtextDecoration`。

CSS。 。 `View`。

`TextText`。

Examples

React Native`style`。 CSSJavaScript

```
<Text style={{color:'red'}}>Red text</Text>
```

。 。

```
import React, { Component } from 'react';
import { View, Text, StyleSheet } from 'react-native';

const styles = StyleSheet.create({
    red: {
        color: 'red'
    },
    big: {
        fontSize: 30
    }
});

class Example extends Component {
    render() {
        return (
            <View>
                <Text style={styles.red}>Red</Text>
                <Text style={styles.big}>Big</Text>
            </View>
        );
    }
}
```

`StyleSheet.create()`。 React NativeID。

`style`。 。

```
import React, { Component } from 'react';
import { View, Text, StyleSheet } from 'react-native';

```

```
const styles = StyleSheet.create({
    red: {
        color: 'red'
    },
    greenUnderline: {
        color: 'green',
        textDecoration: 'underline'
    },
    big: {
        fontSize: 30
    }
});

class Example extends Component {
    render() {
        return (
            <View>
                <Text style={[styles.red, styles.big]}>Big red</Text>
                <Text style={[styles.red, styles.greenUnderline]}>Green underline</Text>
                <Text style={[styles.greenUnderline, styles.red]}>Red underline</Text>
                <Text style={[styles.greenUnderline, styles.red, styles.big]}>Big red
underline</Text>
                <Text style={[styles.big, {color:'yellow'}]}>Big yellow</Text>
            </View>
        );
    }
}
```

```
<View style={[(this.props.isTrue) ? styles.bgcolorBlack : styles.bgColorWhite]}>
```

isTruetrue。

https://riptutorial.com/zh-TW/react-native/topic/7757/

31:

React。 ReactUI。 。

Examples

。 。 **this.props.keyName**。 。

。 `index.android.js` `index.ios.js` props。

```
import React, { Component } from 'react';
import { AppRegistry, Text, View } from 'react-native';

class Greeting extends Component {
  render() {
    return (
      <Text>Hello {this.props.name}!</Text>
    );
  }
}

class LotsOfGreetings extends Component {
  render() {
    return (
      <View style={{alignItems: 'center'}}>
        <Greeting name='Rexxar' />
        <Greeting name='Jaina' />
        <Greeting name='Valeera' />
      </View>
    );
  }
}

AppRegistry.registerComponent('LotsOfGreetings', () => LotsOfGreetings);
```

。 Button。 。

Props-React Native

PropTypes

`prop-types` props。 `name` `isYummy` prop。 。 `propTypes`。

```
import React, { Component } from 'react';
import PropTypes from 'prop-types';
import { AppRegistry, Text, View } from 'react-native';

import styles from './styles.js';

class Recipe extends Component {
  static propTypes = {
    name: PropTypes.string.isRequired,
    isYummy: PropTypes.bool.isRequired
  }
  render() {
    return (
      <View style={styles.container}>
        <Text>{this.props.name}</Text>
        {this.props.isYummy ? <Text>THIS RECIPE IS YUMMY</Text> : null}
      </View>
    )
  }
}

AppRegistry.registerComponent('Recipe', () => Recipe);


// Using the component
<Recipe name="Pancakes" isYummy={true} />
```

PropTypes

propTypes ◦ ◦

```
static propTypes = {
  name: PropTypes.oneOfType([
      PropTypes.string,
      PropTypes.object
  ])
}
```

children

```
<Recipe children={something}/>
```

```
<Recipe>
  <Text>Hello React Native</Text>
</Recipe>
```

Recipe

```
return (
  <View style={styles.container}>
    {this.props.children}
    {this.props.isYummy ? <Text>THIS RECIPE IS YUMMY</Text> : null}
  </View>
)
```

Recipe<Text>Hello React Native

propType

```
children: PropTypes.node
```

defaultPropsprop◦ propsJohn

```
class Example extends Component {
  render() {
    return (
      <View>
        <Text>{this.props.name}</Text>
      </View>
    )
  }
}


Example.defaultProps = {
  name: 'John'
}
```

https://riptutorial.com/zh-TW/react-native/topic/1271/

32: Native API

API。 Google。 。

`Linking` `react-native`

```
import {Linking} from 'react-native'
```

Examples

openURL。

```
Linking.openURL(url)
.catch(err => console.error('An error occurred ', err))
```

URL。

```
Linking.canOpenURL(url)
.then(supported => {
  if (!supported) {
    console.log('Unsupported URL: ' + url)
  } else {
    return Linking.openURL(url)
  }
}).catch(err => console.error('An error occurred ', err))
```

URI

	`https://stackoverflow.com`	
	`tel:1-408-555-5555`	
	`mailto:email@example.com`	
	`sms:1-408-555-1212`	
Apple	`http://maps.apple.com/?ll=37.484847,-122.148386`	
	`geo:37.7749,-122.4194`	
iTunes	iTunes Link Maker	
Facebook	`fb://profile`	
YouTube	`http://www.youtube.com/v/oHg5SJYRHA0`	
	`facetime://user@example.com`	
iOS	`calshow:514300000` [1]	iPhoneDevWiki

[1]1. 1.UTC。 AppleAPI。

Incomming Links

URL。

```
componentDidMount() {
  const url = Linking.getInitialURL()
  .then((url) => {
    if (url) {
      console.log('Initial url is: ' + url)
    }
  }).catch(err => console.error('An error occurred ', err))
}
```

iOS Link `RCTLinking`。

Android 。

Native API https://riptutorial.com/zh-TW/react-native/topic/9687/native-api

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