React Native

Use JavaScript To Build Your Native App

@ Jack Pu

Build App Like Web

React Native → Build →

Android

iOS

Web

React Native ?

React

A JAVASCRIPT LIBRARY FOR BUILDING USER INTERFACES

UI

Data
Flow

Virtual
DOM

How React Native works?

React Native

A FRAMEWORK FOR BUILDING NATIVE APPS USING REACT

Native Components

Asynchronous Execution

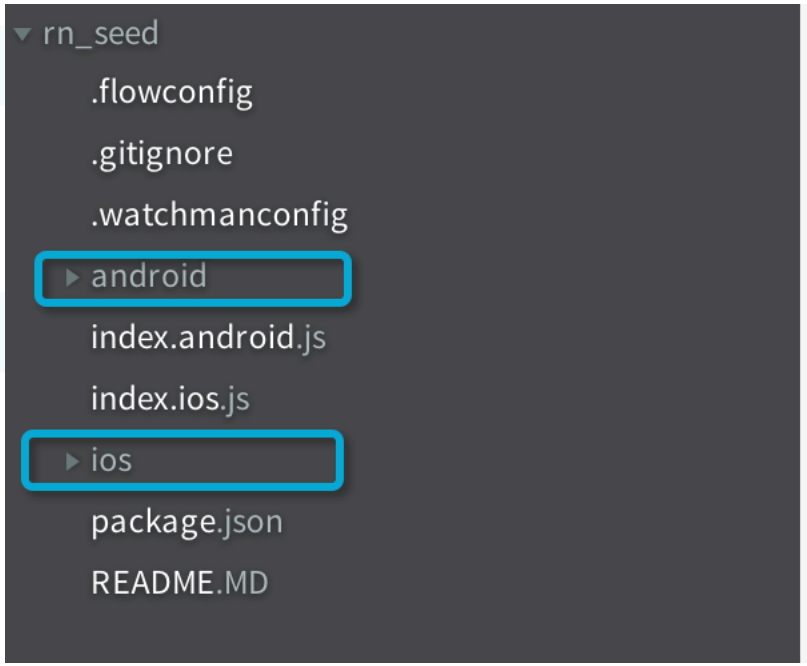
Third Extensibility

Flexbox Styling

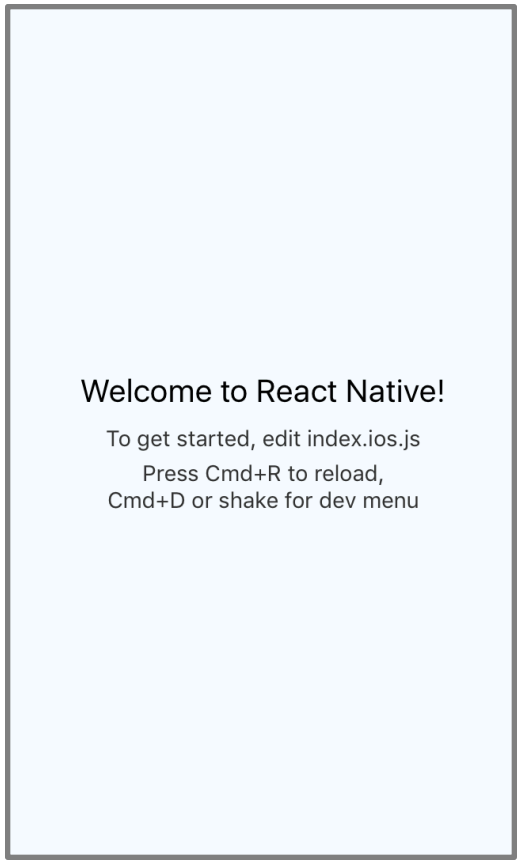
Your First React Native App

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

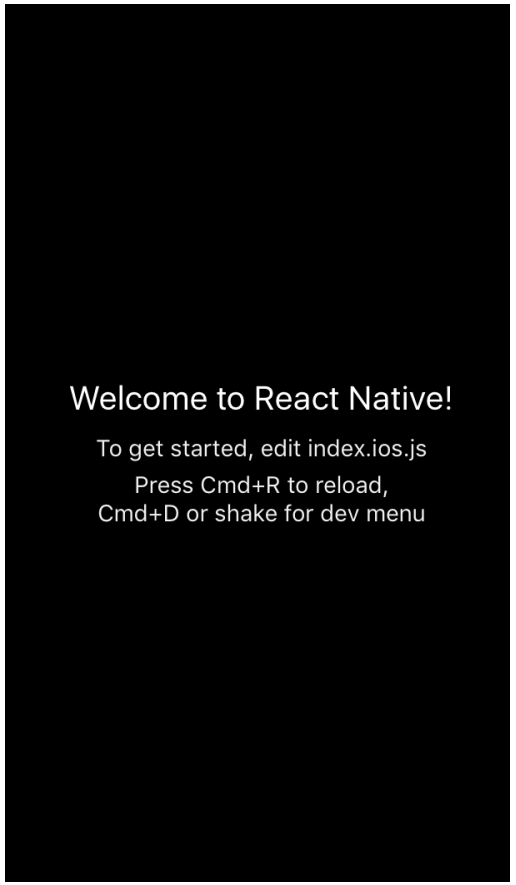
```
$ react-native init AwesomeProject
```



Running Your App



Cmd + F5



Use Css

Support Class

Inline Style

Multiple classes

Use Css

```
var styles = StyleSheet.create({
  container: {
    flex: 1,
    justifyContent: 'center',
    alignItems: 'center',
    backgroundColor: '#000000',
  },
  welcome: {
    fontSize: 20,
    textAlign: 'center',
    margin: 10,
    color: '#fff'
  },
  instructions: {
    textAlign: 'center',
    color: '#f1f1f1',
    marginBottom: 5,
  },
});
```

```
<View style={styles.container}>
  <Text style={styles.welcome}>
    Welcome to React Native!
  </Text>
  <Text style={{color:'red'}}>
    To get started, edit index.ios.js
  </Text>
  <Text style={styles.instructions}>
    Press Cmd+R to reload,{'\n'}
    Cmd+D or shake for dev menu
  </Text>
</View>
```

Components

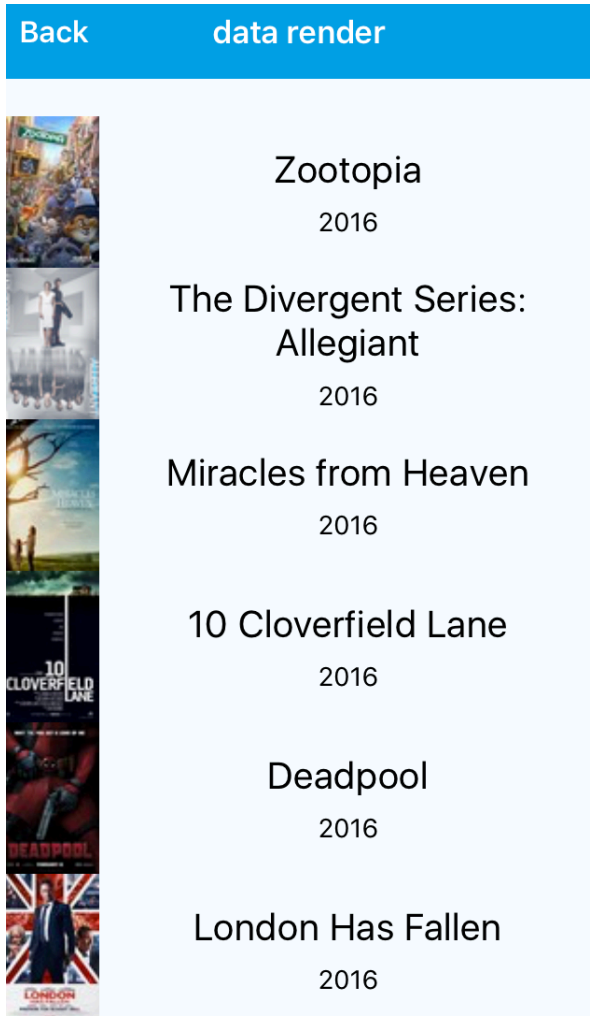
View
Image
Text
TextInput
TouchableHighlight
Webview
Switch
….

Api

AlertIOS
AsyncStorage
CameraRoll
Animated
NetInfo
PushNotificationIOS
….

Data Render

List View + Fetch



Extend

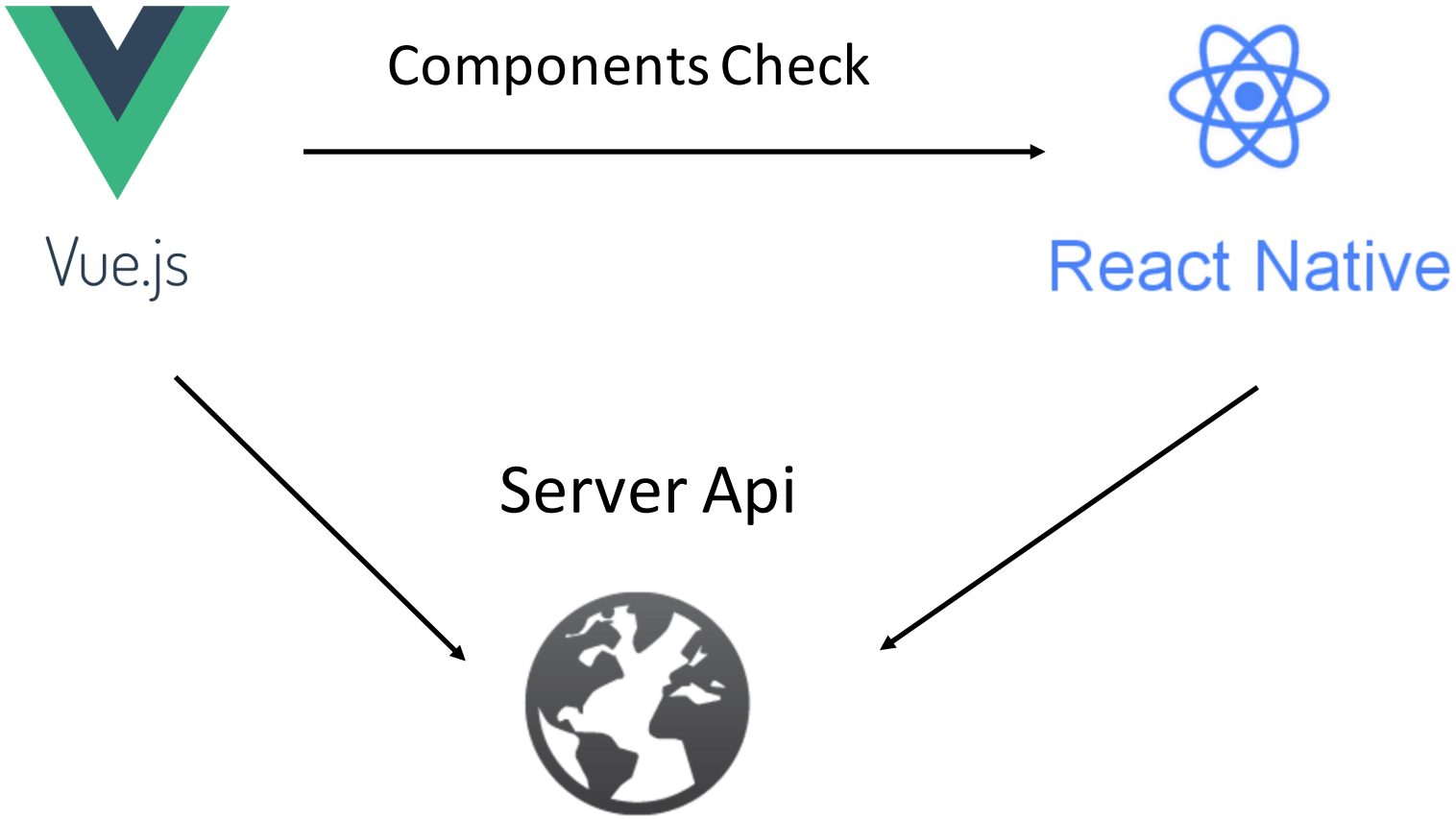
Import the third React Native module

Native App module

Debug Your React Native App

Also support Android logging and Xcode Debug

Our Mobile Stack



个人中心
邓超
编辑资料
个人荣誉
学生
班组
作业
消息
教材
作业
资源
学生
班级
我的

web

个人中心
邓超
编辑资料
个人信息
学生
12
班级
12
作业
12
消息
教材

iOS

```
<template>

<div class="page teacher-home"> ··· </div>

</template>

<script>

   import navigation from './nav.vue';

    export default { ··· };

</script>

<style> ··· </style>
```

```
'use strict';

var React = require('react-native');
var App = require('../service/core.app');
var GiftedListView = require('react-native-gifted-listview');

var {
    StyleSheet,
    View,
    Text,
    Image,
    Component,
    TouchableHighlight
} = React;

var styles = StyleSheet.create({ ··· });

class Homework extends Component { ··· }

module.exports = Homework;
```

Some Trouble

Html => react native view

Style Limited

Code Transform

Learning React.js and a series program thinking(redux,flux)

Frequent Upgrades

Reference

English Doc

中文文档

React.js Conf2015

react-native-bringing-modern-web-techniques-to-mobile

深入浅出 React Native

React native初探

Thanks / Build More

2016-03-28