Hands on React Native

cngroup.dk

Tomáš Horáček

web + iOS
frontend developer

horacek@cngroup.dk

CN Group

#HandsOnRN

Tomáš Horáček
@heracek

#LookingForward for tomorrow #HandsOn #ReactNative #HandsOnRn in #Zlin

11:39 PM - 19 Oct 2016

Reply to @heracek

#muybueno:	1
#final:	1
#megusto:	2
#lookingforward:	1

#muybueno

@nacholibreLH   16:08 20/10/2016
#MuyBueno React Native! #HandsOnRN

#final

@heracek   16:03 20/10/2016
#final preparations for #HandsOnRN

#megusto

@nacholibreLH   15:57 20/10/2016
#MeGusto React Native! Muy bueno. #HandsOnRn

@nacholibreLH   23:42 19/10/2016
#MeGusto React Native and #HandsOnRn

#lookingforward

@heracek   23:39 19/10/2016
#LookingForward for tomorrow #HandsOn #ReactNative #HandsOnRn in #Zlin

Reload

React Native?

React Native

Library

for building **native mobile** apps

using **React**

React.js

- React.js is for **Web**.

- Is React Native another **PhoneGap**?

React Native

React.js

- React.js is for **JavaScript**.

- Is React Native **wrapper** around **iOS/Android**?

React Native

```
var helloLabel = new UILabel();
helloLabel.setText("Hello React Native");

var container = new UIView();
container.addSubview(helloLabel);
```

React Native

```
var helloLabel = new UILabel();
helloLabel.setText("Hello React Native");

var container = new UIView();
container.addSubview(helloLabel);
```

React Native

```
var helloLabel = new UILabel();
helloLabel.setText("Hello React Native");

var container = new UIView();
container.addSubview(helloLabel);
```

```
class HandsOnReactApp extends React.Component {
  render() {
    return (
      <View>
        <Text>Hello React Native</Text>
      </View>
    );
  }
}
```

React Native

```
var helloLabel = new UILabel();
helloLabel.setText("Hello React Native");

var container = new UIView();
container.addSubview(helloLabel);
```

```
class HandsOnReactApp extends React.Component {
  render() {
    return (
      React.createElement(View, null,
        React.createElement(Text, null, "Hello React Native")
      )
    );
  }
}
```

Imperative vs. Declarative

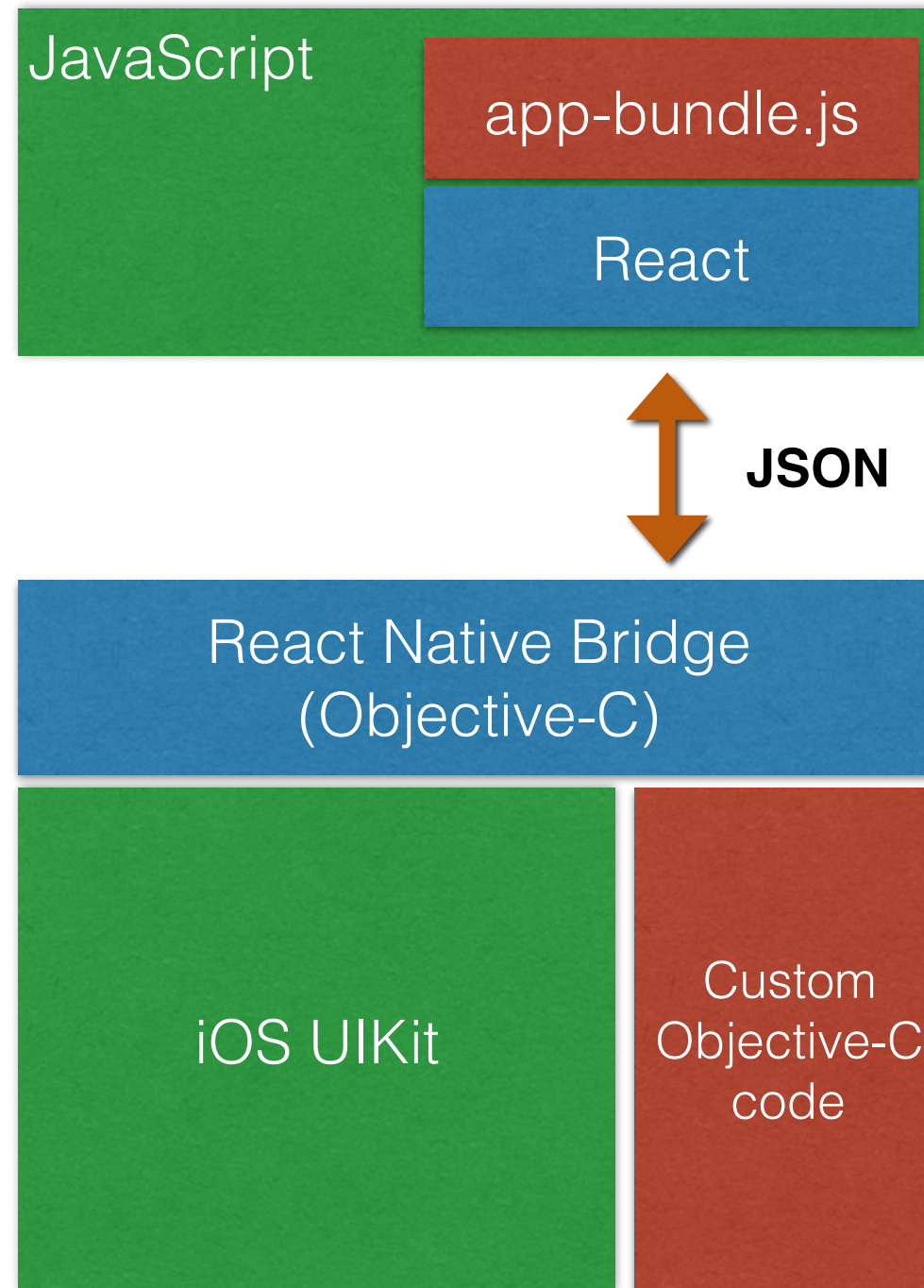# Imperative vs. Declarative

```
updateUI() {
  if (error) {
    this.hideContent();
    this.hideLoading();
    this.showError(error);
  } else {
    this.hideError();

    if (loading) {
      this.hideContent();
      this.showLoading();
    } else {
      this.hideLoading();
      this.showContent(content);
    }
  }
}
```

Imperative vs. Declarative

```
updateUI() {
  if (error) {
    this.hideContent();
    this.hideLoading();
    this.showError(error);
  } else {
    this.hideError();

    if (loading) {
      this.hideContent();
      this.showLoading();
    } else {
      this.hideLoading();
      this.showContent(content);
    }
  }
}
```

```
render() {
  if (error) {
    return <Error error={error}/>;
  }
  if (loading) {
    return <Loading />;
  }
  return <Content text={content} />;
}
```

React Native

JavaScript

app-bundle.js

React

$\updownarrow$ **JSON**

React Native Bridge
(Objective-C)

iOS UIKit

Custom
Objective-C
code

Legend:

Custom

React Native

iOS

Hands on React Native

#HandsOnRN

github.com/cngroupdk/hands-on-react-native-zlin

cngroup.dk

@CNGroup_cz

facebook.com/CNGroupCZ