React-Native
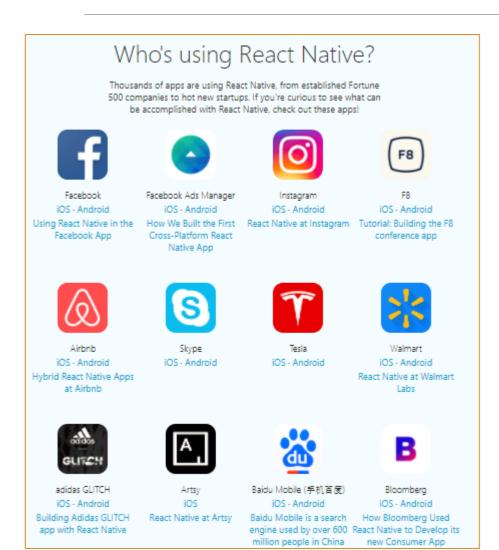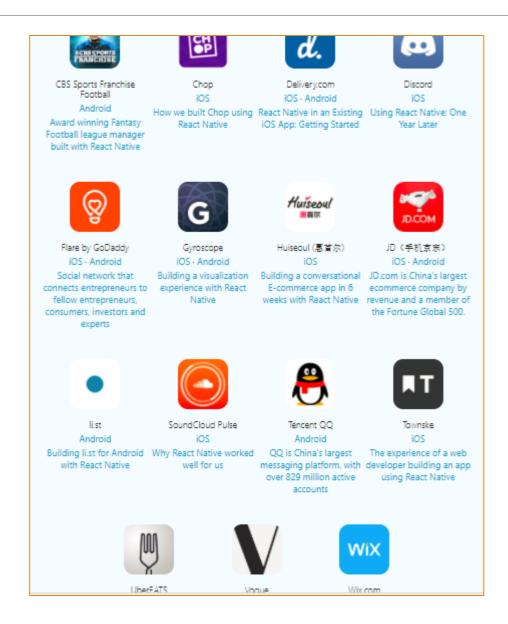
Why? Who?

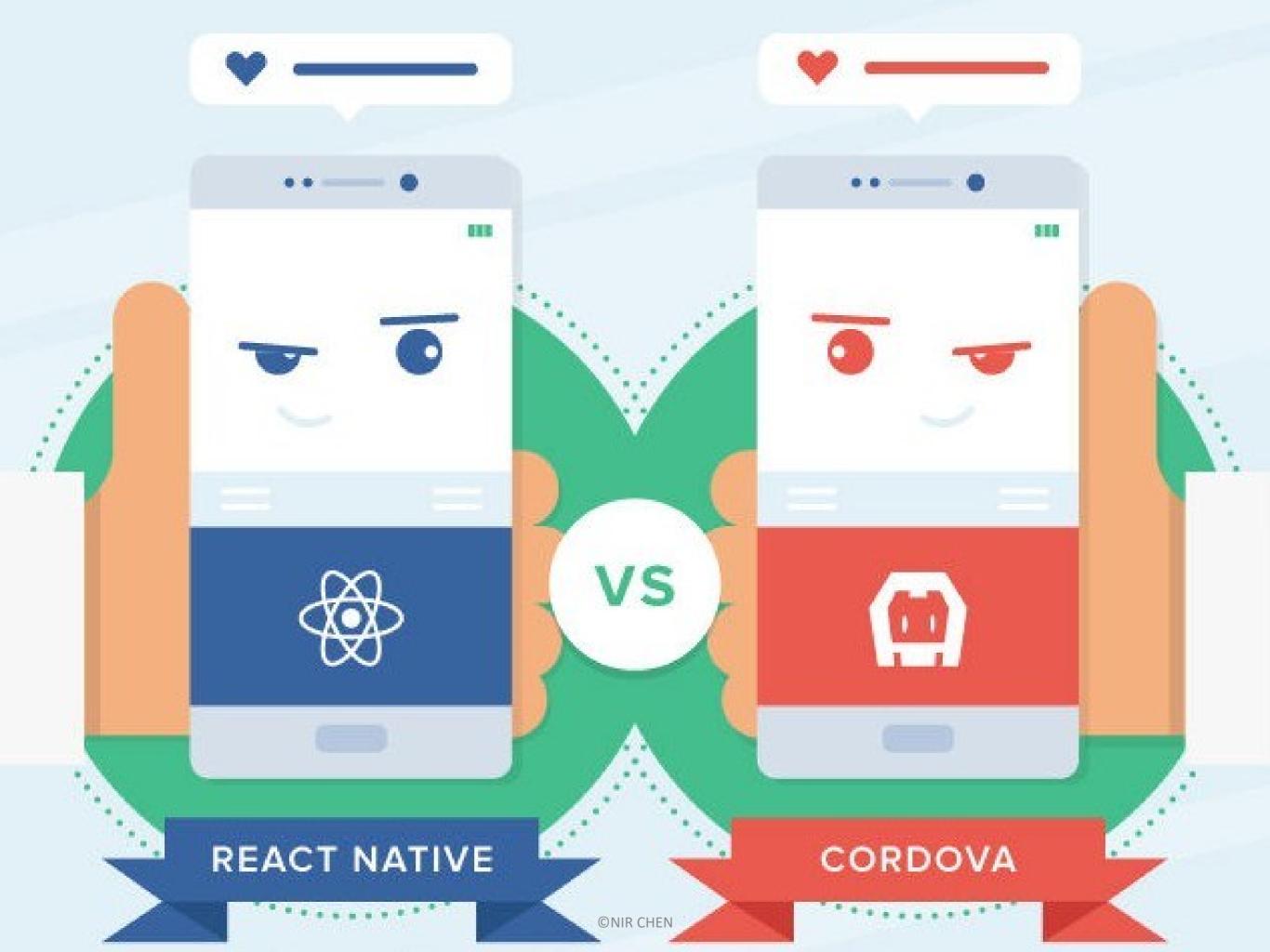# React Native Advantages

- **JavaScript** – Existing JavaScript knowledge

- **Code sharing** – Share most code on different platforms

- **Community** – Community around React and React Native is large

- **Native Look and Feel**

React Native Limitations

- **Native Components** − might need to write some platform specific code

- **Not even version 1 yet**

REACT NATIVE

VS

CORDOVA

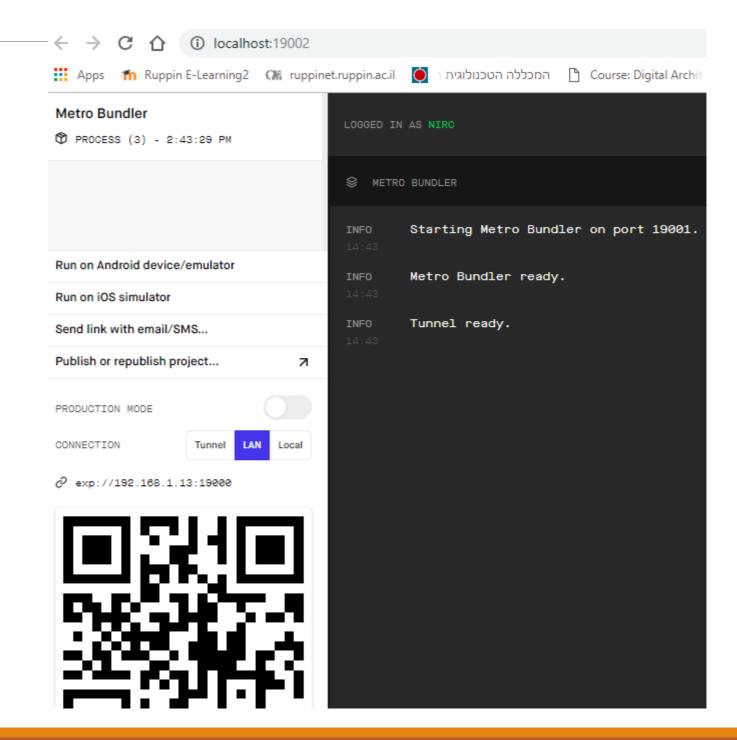©NIR CHEN

What's the difference?

Answer:

- **Cordova**: create HTML, style with CSS, and write all the logic with JavaScript

- **React-Native**: Visual components (reusable UI elements) are rendered as a native UI

Create native app v1

- npm install -g create-react-native-app

- create-react-native-app my-native-app

- cd my-native-app

- npm start

- Download Expo App

- Scan the QR Code

Create native app v2

npm install -g expo-cli

expo init proj-name

cd proj-name

expo start

Core Components

- View

- Stylesheet

- Text

- Flexbox

- Image

- TextInput

- Fetch

View

- <View></View> == <div></div>

Styling

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

Text

- `<Text></Text>` == `<p></p>`

Flexbox

- flexDirection: column, row

- justifyContent: flex-start, center, flex-end, space-around, and space-between

- alignItems: flex-start, center, flex-end

Image

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

```
<Image source={{uri:'https://facebook.ithub.io/react/img/logo_og.png'}}
```

Image name must be one_word !!!!!!
Case sensitive !!!! Even in the Filename extension!!!

TextInput

Attributes:

- onChangeText: *function*

- value: *string*

Button

Attributes:

- onPress: *function*

- title: *string*

Fetch

```
fetch(url, {

  method:

  headers:

  body:

}).then(() => {

   ....

})
```

What's next?

- **UI Component Libraries**
  [Shoutem UI](#) - 2,755 stars
  [React Native Elements](#) - 7,657 stars
  [NativeBase](#) - 6,512 stars