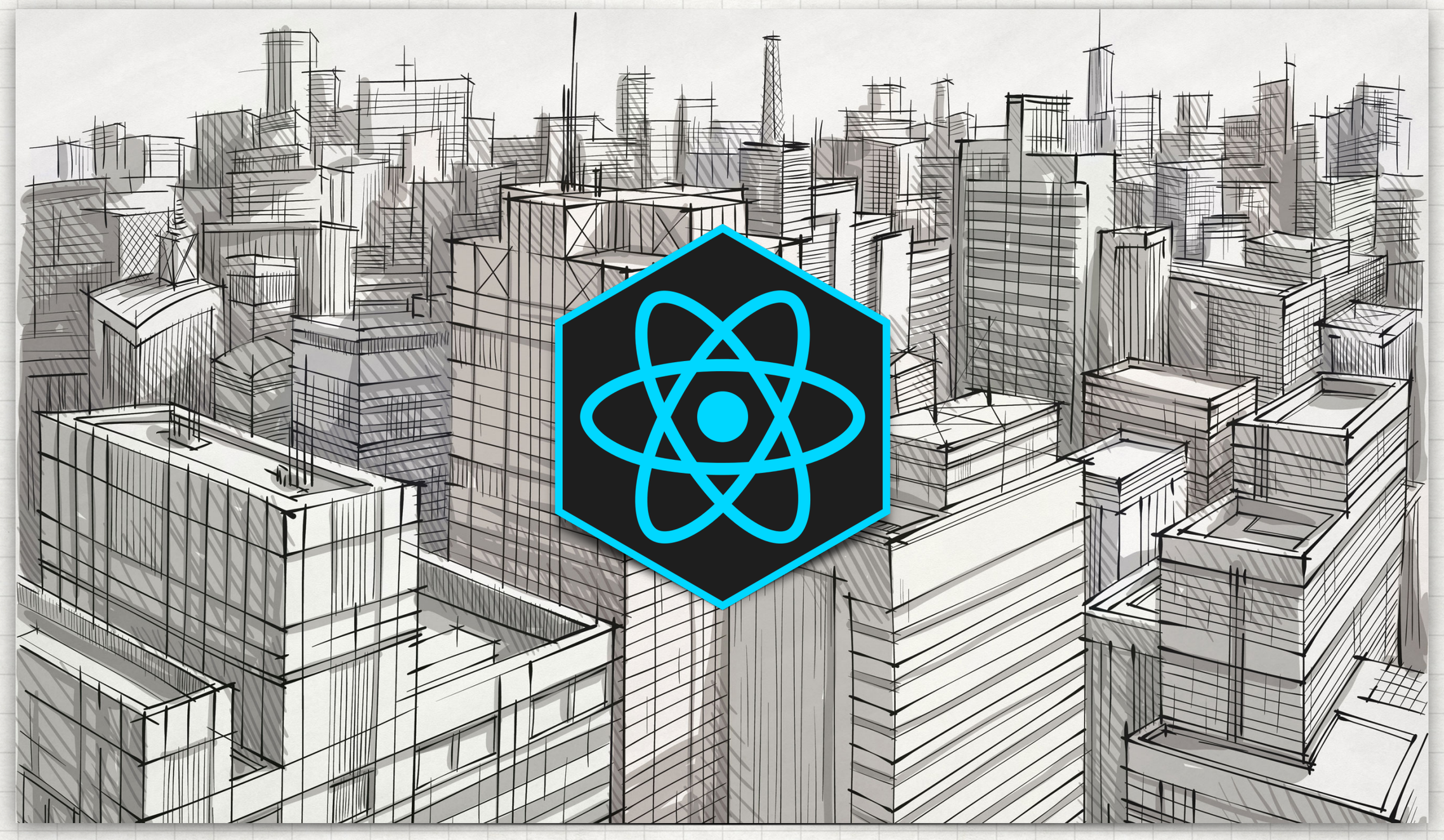
HANDS ON

REACT-NATIVE

REACT

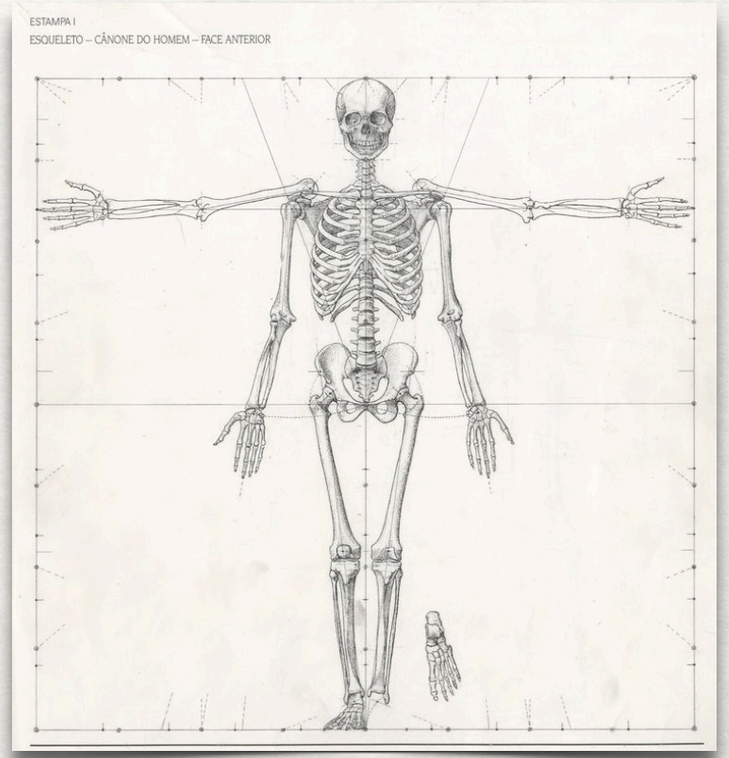
O CORE DE TUDO



ENTENDENDO REACT

ESTRUTURA BÁSICA

```
1   import React from 'react';
2
3   class App extends React.Component {
4     render() {
5       return (
6         <div>
7           <h2>Welcome to React</h2>
8         </div>
9       );
10    }
11  }
12
13  export default App;
14
```

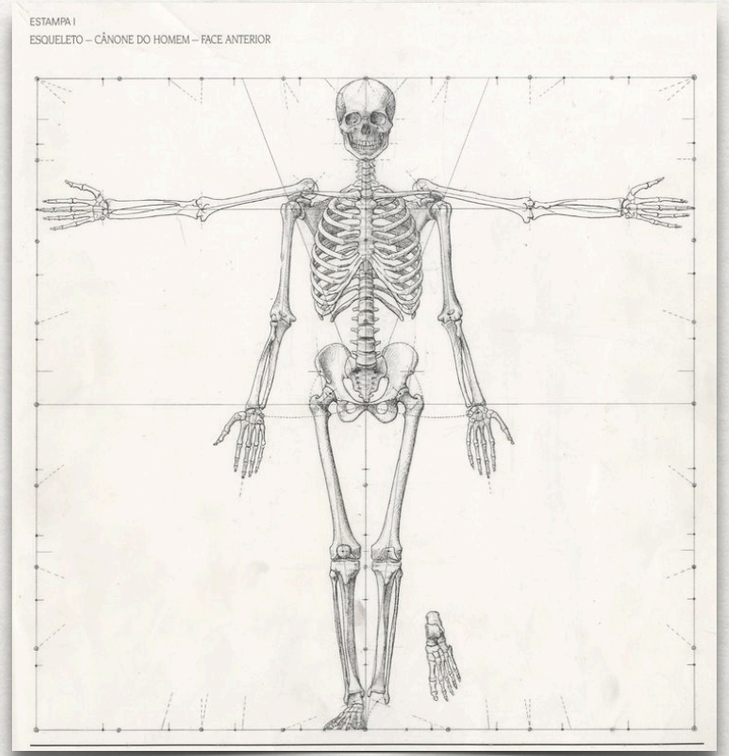


ENTENDENDO REACT

ESTRUTURA BÁSICA

```
1   import React from 'react'
2
3   class MyTitle extends React.Component {
4       render() {
5           return (
6               <h2>Welcome to React</h2>
7           )
8       }
9   }
10
11  export default MyTitle
```

```
1   import React from 'react';
2
3   import MyTitle from './Title'
4
5   class App extends React.Component {
6     render() {
7       return (
8         <div>
9           <MyTitle />
10        </div>
11      );
12    }
13  }
14
15  export default App;
```

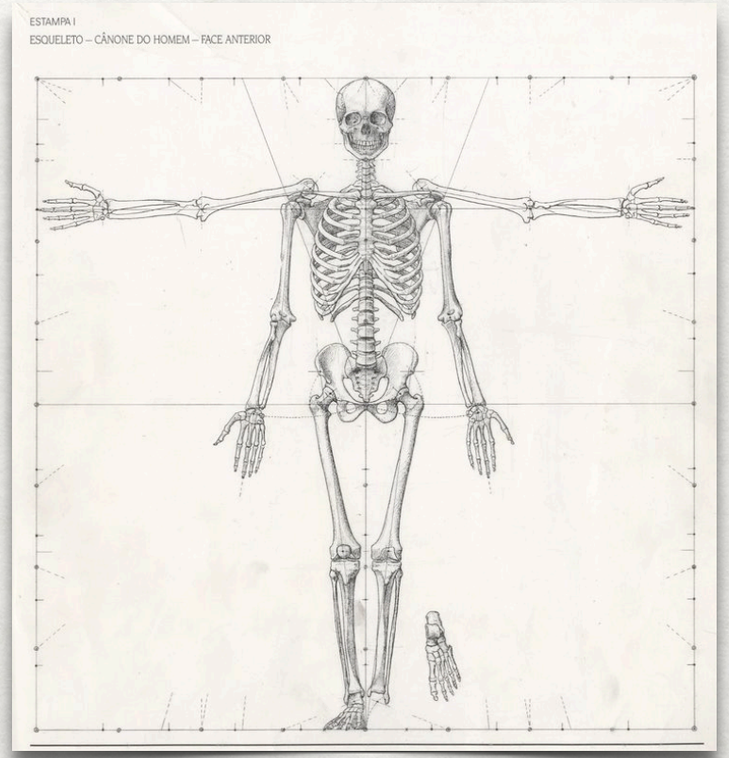


ENTENDENDO REACT

PROPS

```
1   import React from 'react'
2
3   import MyTitle from './Title'
4
5   class App extends React.Component {
6     render() {
7       return (
8         <div>
9           <MyTitle text={'My new title'} />
10        </div>
11      )
12    }
13  }
14
15  export default App
```

```
1   import React from 'react'
2
3   class MyTitle extends React.Component {
4       render() {
5           return (
6               <h2>{this.props.text}</h2>
7           )
8       }
9   }
10
11  export default MyTitle
```

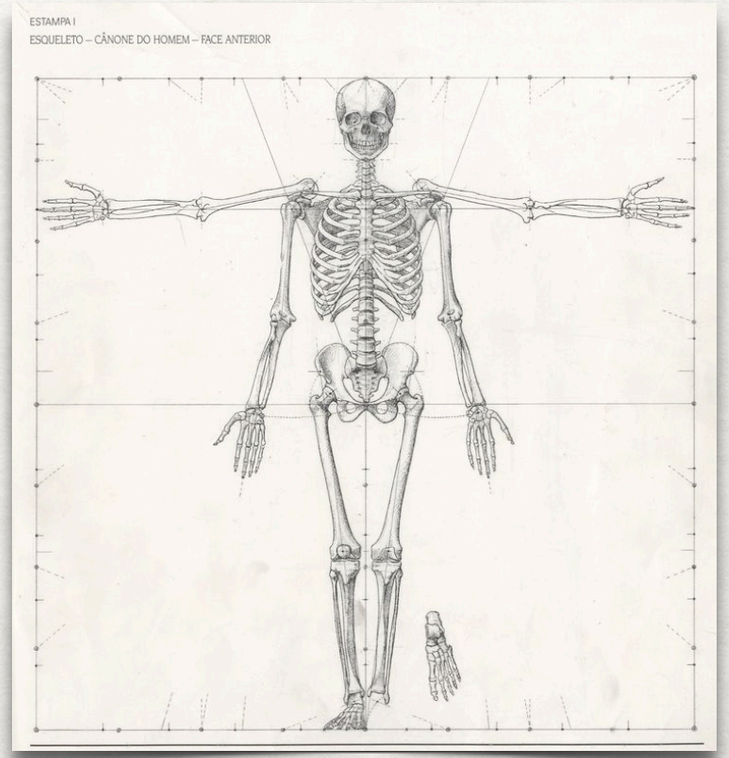


ENTENDENDO REACT

PROPS

```react.js
import React from 'react'

class MyTitle extends React.Component {
    render() {
        return (
            <h2>{this.props.text}</h2>
        )
    }
}

export default MyTitle
```

```react.js
import React from 'react'

export default (props) => {
    return (
        <h2>{props.text}</h2>
    )
}
```



ENTENDENDO REACT

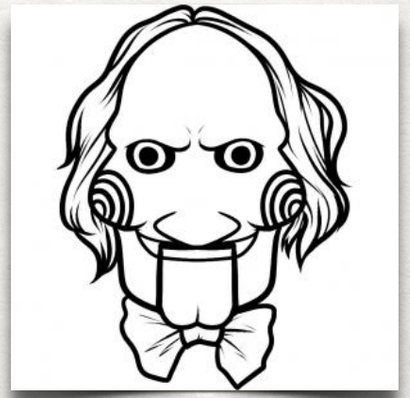
QUEST: LISTA DE GAMES

https://gist.github.com/benhurott/7622346b576238a60e81d9fdb8d6a9e5

```
1   import React from 'react'
2
3   import MyTitle from './Title'
4   import GameList from './GameList'
5
6   import games from './games.json'
7
8   class App extends React.Component {
9     render() {
10      return (
11        <div>
12          <MyTitle text={'Quest: Game List'} />
13          <GameList games={games}/>
14        </div>
15      )
16    }
17  }
18
19  export default App
```

Quest: Game List

- Prince of Persia
- Mario Kart
- Zelda: A link to the past
- Goof Troop
- Killer Instinct
- Mortal Kombat 2
- Super Mario World
- Megaman X



15 min

ENTENDENDO REACT

STATE

ENTENDENDO REACT

STATE

```
1   import React from 'react'
2
3   class NewGameForm extends React.Component {
4       render() {
5           return (
6               <form>
7                   <label>
8                       Name:
9                       <input type="text" name="name" />
10                  </label>
11                  <input type="submit" value="Save" />
12              </form>
13          )
14      }
15  }
16
17  export default NewGameForm
```

ENTENDENDO REACT

STATE

```
1   import React from 'react'
2
3   class NewGameForm extends React.Component {
4       render() {
5           return (
6               <form>
7                   <label>
8                       Name:
9                       <input type="text" name="name" />
10                  </label>
11                  <input type="submit" value="Save" />
12              </form>
13          )
14      }
15  }
16
17  export default NewGameForm
```

```
1   import React from 'react'
2
3   import MyTitle from './Title'
4   import GameList from './GameList'
5   import NewGameForm from './NewGameForm'
6
7   import games from './games.json'
8
9   class App extends React.Component {
10    render() {
11      return (
12        <div>
13          <MyTitle text={'Quest: Game List'} />
14          <NewGameForm />
15          <GameList games={games}/>
16        </div>
17      )
18    }
19  }
20
```

Quest: Game List

Name: Save

- Prince of Persia
- Mario Kart
- Zelda: A link to the past
- Goof Troop
- Killer Instinct
- Mortal Kombat 2
- Super Mario World
- Megaman X

ENTENDENDO REACT

STATE

```
1   import React from 'react'
2
3   class NewGameForm extends React.Component {
4       constructor(props) {
5           super(props)
6
7           this.state = {
8               name: ''
9           }
10      }
11
12      render() {
13          return (
14              <form>
```

https://facebook.github.io/react/docs/forms.html

ENTENDENDO REACT

STATE

```
1   import React from 'react'
2
3   class NewGameForm extends React.Component {
4       constructor(props) {
5           super(props)
6
7           this.state = {
8               name: ''
9           }
10      }
11
12      render() {
13          return (
14              <form>
```

```
<form>
    <label>
        Name:
        <input type="text" name="name" value={this.state.name} />
    </label>
    <input type="submit" value="Save" />
</form>
```

https://facebook.github.io/react/docs/forms.html

ENTENDENDO REACT

STATE

```
render() {
    return (
        <form>
            <label>
                Name:
                <input
                    type="text"
                    name="name"
                    value={this.state.name}
                    onChange={e => this.setState({ name: e.target.value })} />
            </label>
            <input type="submit" value="Save" />
        </form>
    )
}
```

https://facebook.github.io/react/docs/forms.html

ENTENDENDO REACT

STATE

```
_handleSubmit(event) {
    event.preventDefault()
    console.log(this.state.name)
}

render() {
    return (
        <form onSubmit={this._handleSubmit}>
            <label>
                Name:
                <input
```

https://facebook.github.io/react/docs/forms.html

ENTENDENDO REACT

STATE

TypeError: Cannot read property 'state' of null

`_handleSubmit`
src/NewGameForm.js:16

```
  13 |
  14 | _handleSubmit(event) {
  15 |     event.preventDefault()
> 16 |     console.log(this.state.name)
  17 | }
  18 |
  19 | render() {
```

https://facebook.github.io/react/docs/forms.html

ENTENDENDO REACT

STATE

```
class NewGameForm extends React.Component {
    constructor(props) {
        super(props)

        this.state = {
            name: ''
        }

        this._handleSubmit = this._handleSubmit.bind(this)
    }

    _handleSubmit(event) {
        event.preventDefault()
        console.log(this.state.name)
    }
```

https://facebook.github.io/react/docs/forms.html

ENTENDENDO REACT

STATE

```
_handleSubmit(event) {
    event.preventDefault()
    this.props.onSave({ name: this.state.name })
}
```

https://facebook.github.io/react/docs/forms.html

ENTENDENDO REACT

STATE

```
_handleSubmit(event) {
    event.preventDefault()
    this.props.onSave({ name: this.state.name })
}
```

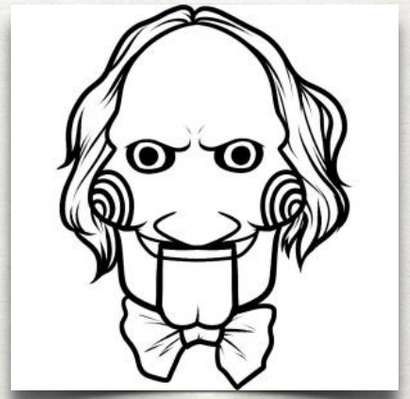
```
class App extends React.Component {
  constructor(props) {
    super(props)

    this._onSaveNewGame = this._onSaveNewGame.bind(this)
  }

  _onSaveNewGame(game) {
    alert(game.name)
  }

  render() {
    return (
      <div>
        <MyTitle text={'Quest: Game List'} />
        <NewGameForm onSave={this._onSaveNewGame} />
        <GameList games={games}/>
      </div>
    )
  }
}
```

https://facebook.github.io/react/docs/forms.html

ENTENDENDO REACT

QUEST: SAVE NEW GAMES

Faça com que o botão Save do formulário adicione na lista de jogos.

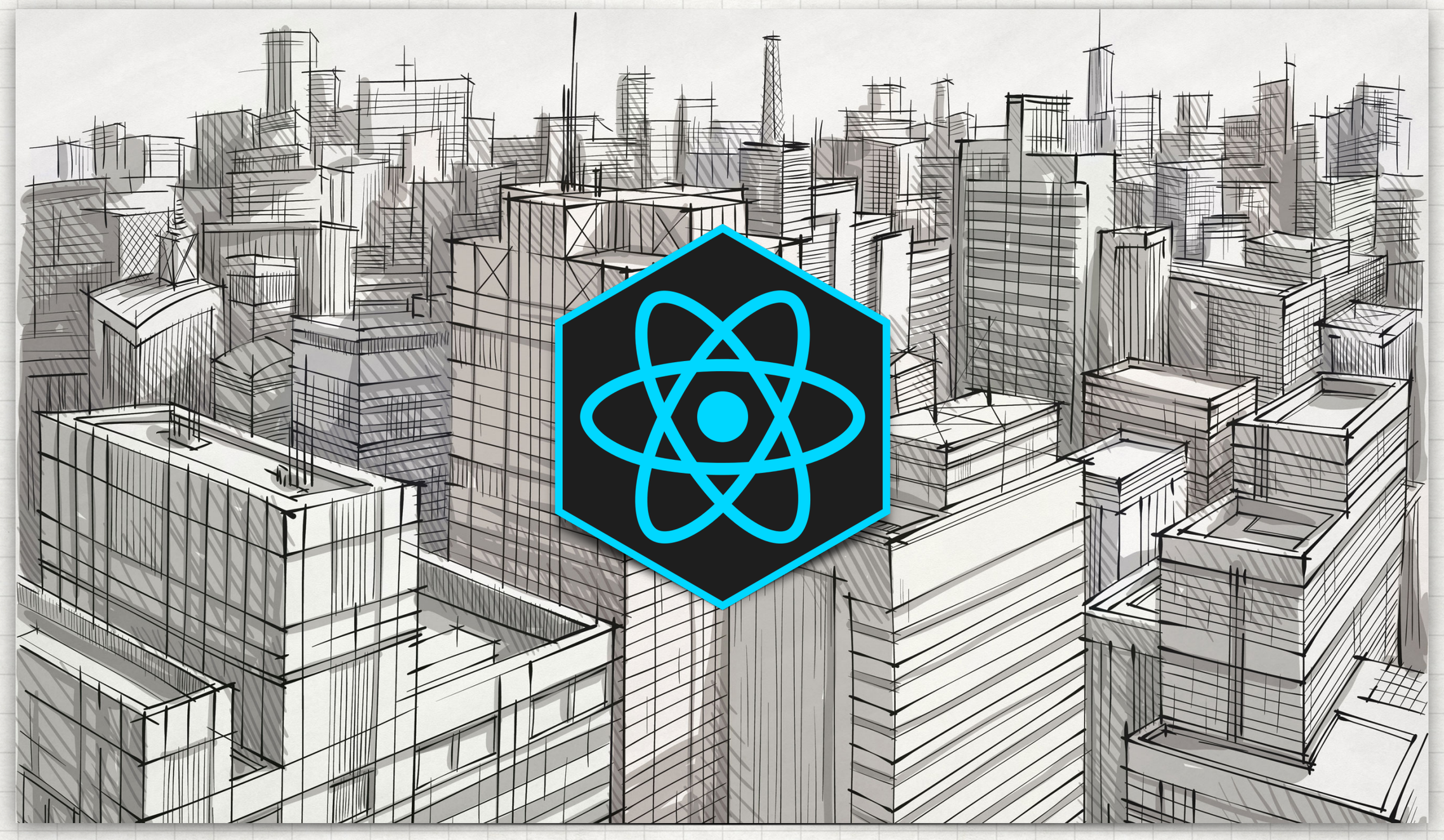


15 min

https://facebook.github.io/react/docs/forms.html

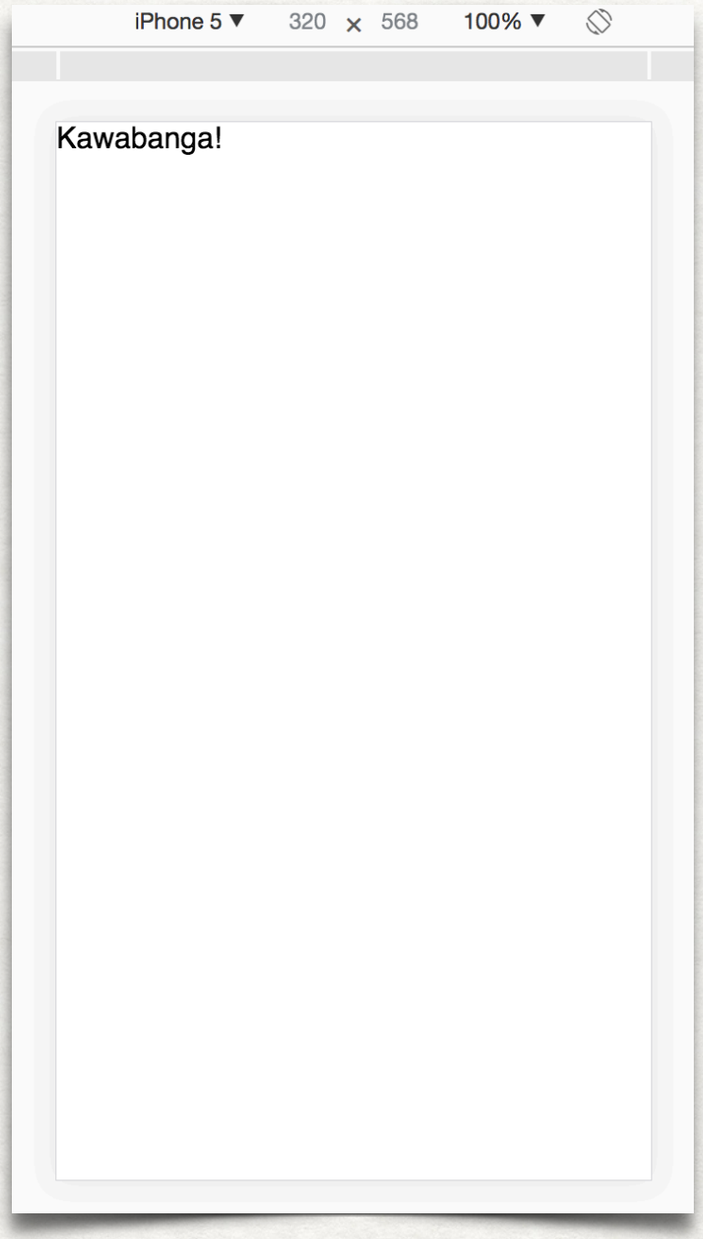
REACT-NATIVE

REACT PARA MOBILE APPS

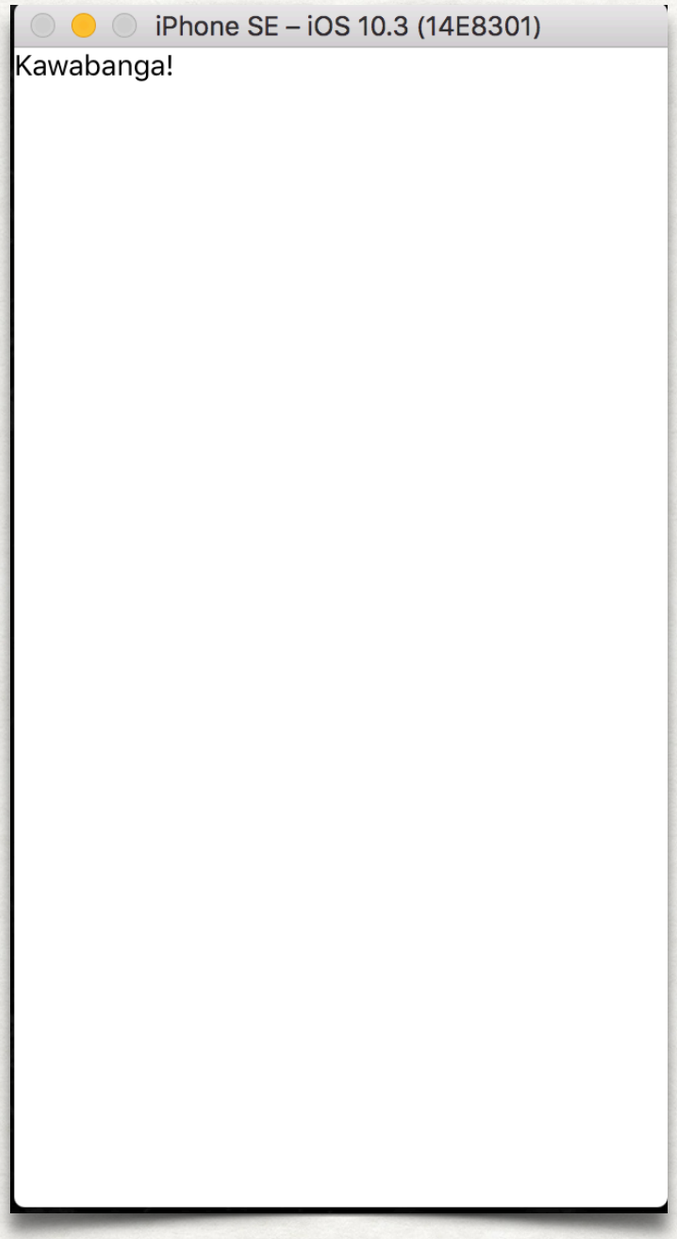


REACT-NATIVE

COMPARAÇÃO RÁPIDA



WEB



NATIVE

REACT-NATIVE

COMPARAÇÃO RÁPIDA

```
1   import React from 'react'
2
3   class App extends React.Component {
4     render() {
5       return (
6         <div>
7           <span>Kawabanga!</span>
8         </div>
9       )
10    }
11  }
12
13  export default App
```

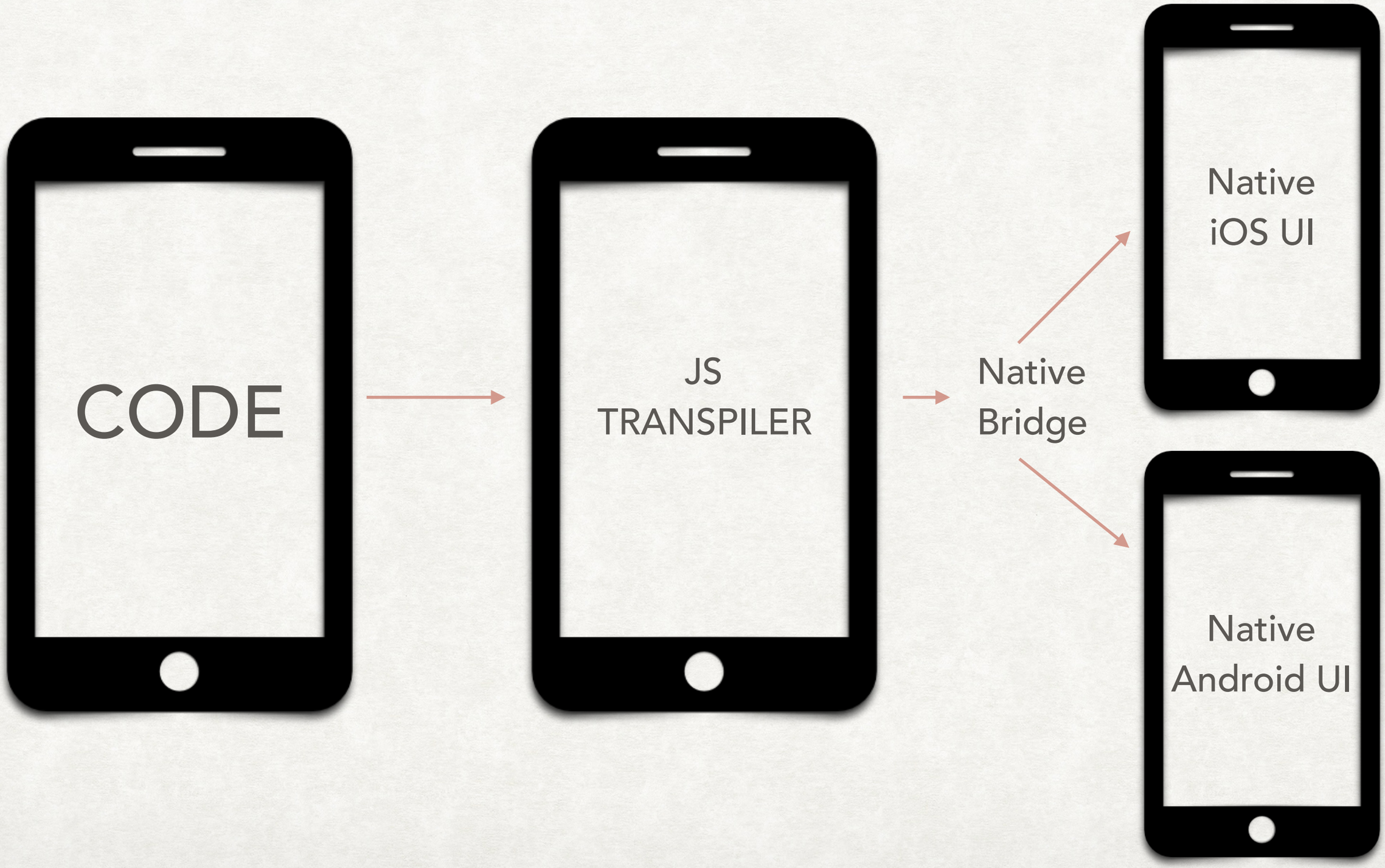
WEB

```
1   import React from 'react'
2   import { View, Text, StatusBar } from 'react-native'
3
4   class App extends React.Component {
5     constructor(props) {
6       super(props)
7       StatusBar.setHidden(true)
8     }
9
10    render() {
11      return (
12        <View>
13          <Text>Kawabanga!</Text>
14        </View>
15      )
16    }
17  }
18
19  export default App
```

NATIVE

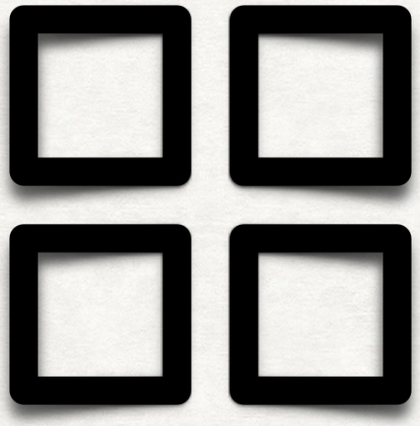
REACT-NATIVE

COMO FUNCIONA?



REACT-NATIVE

INICIANDO

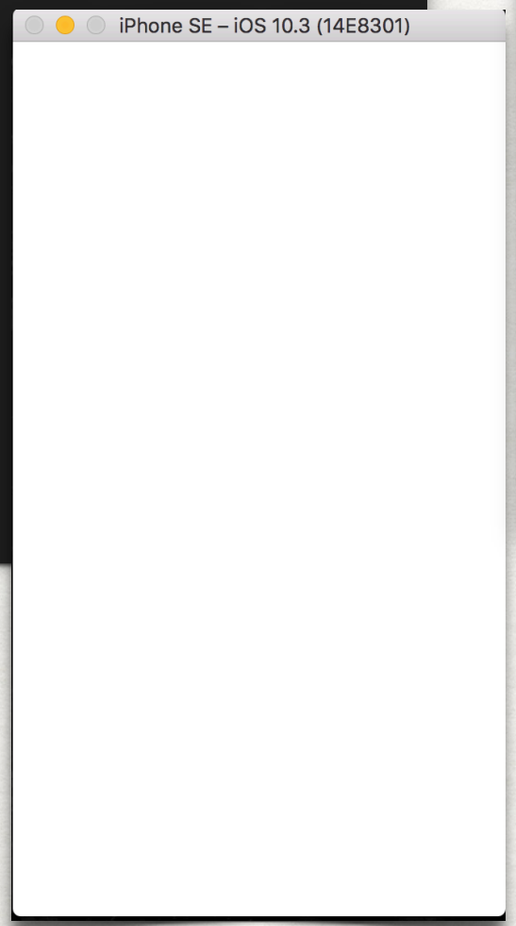


View

REACT-NATIVE

BASICS: VIEW

```
1   import React from 'react'
2   import { View, Text, StatusBar } from 'react-native'
3
4   class App extends React.Component {
5     constructor(props) {
6       super(props)
7       StatusBar.setHidden(true)
8     }
9
10    render() {
11      return (
12        <View>
13          <View></View>
14          <View></View>
15          <View></View>
16        </View>
17      )
18    }
19  }
20
21  export default App
```

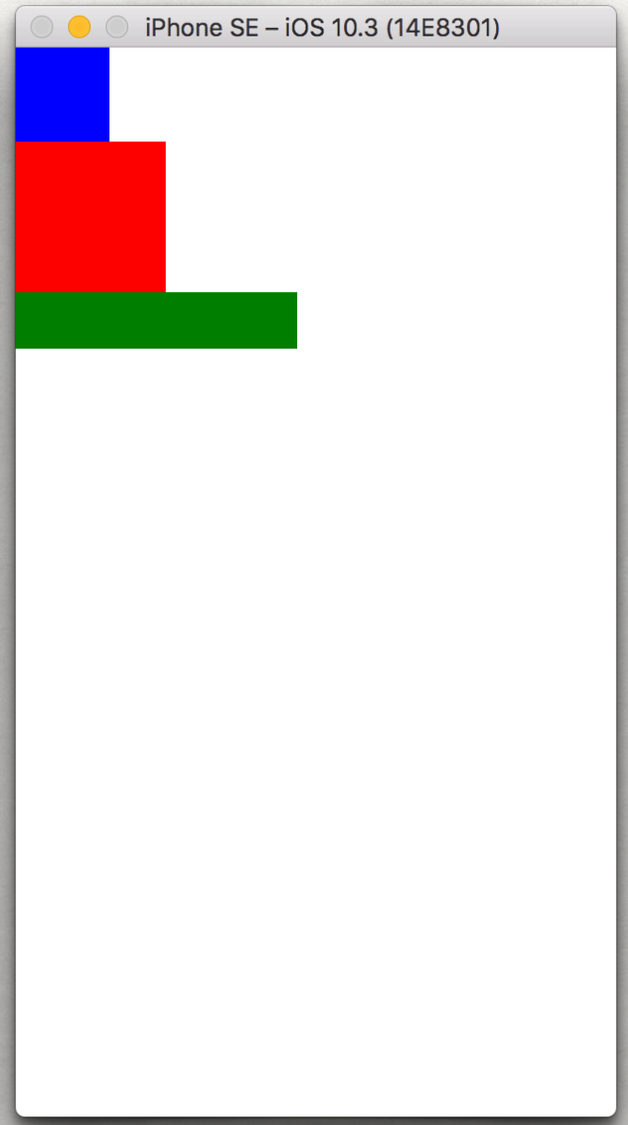


StyleSheet

REACT-NATIVE

BASICS: STYLESHEET

```
  render() {
    return (
      <View>
        <View style={styles.view1}></View>
        <View style={styles.view2}></View>
        <View style={styles.view3}></View>
      </View>
    )
  }
}

const styles = StyleSheet.create({
  view1: {
    height: 50,
    width: 50,
    backgroundColor: 'blue'
  },
  view2: {
    height: 80,
    width: 80,
    backgroundColor: 'red'
  },
  view3: {
    height: 30,
    width: 150,
    backgroundColor: 'green'
  }
})
```



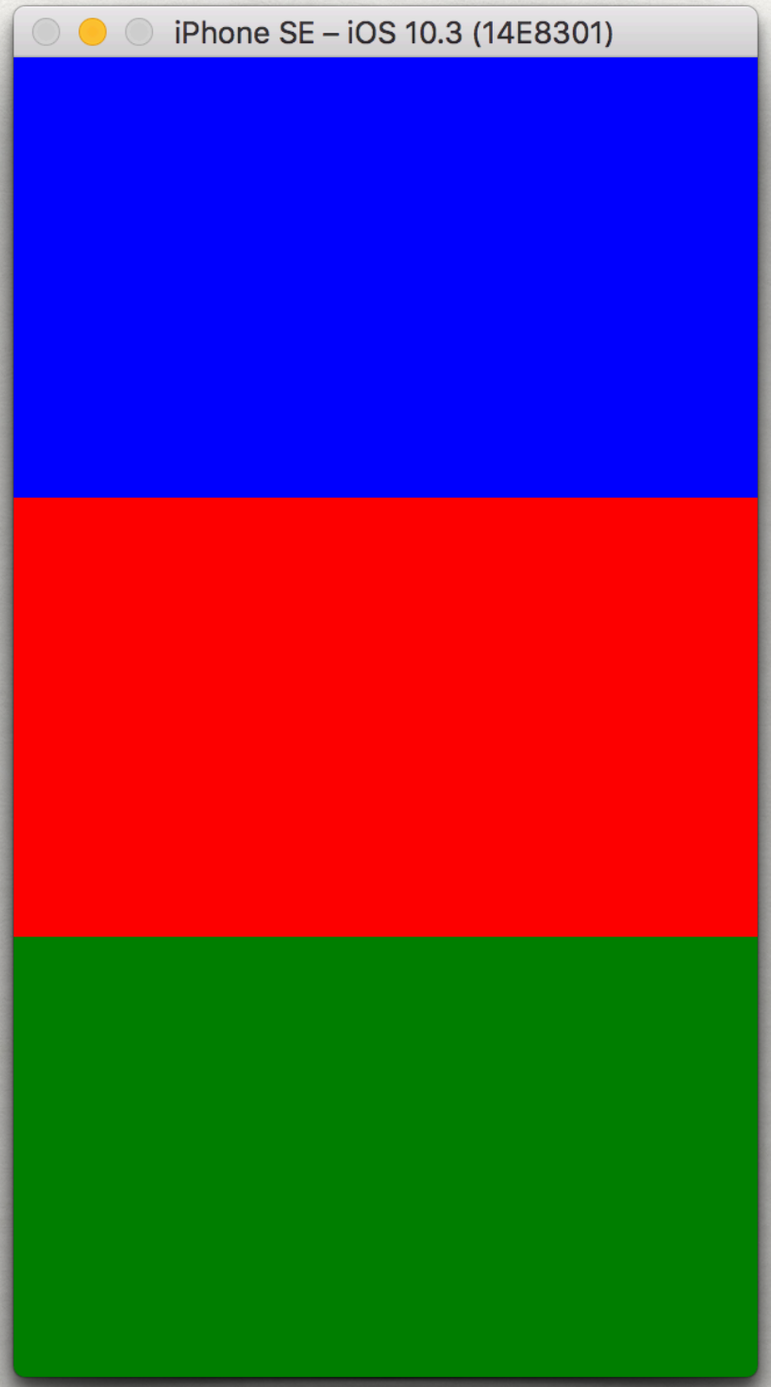
- backgroundColor
- width
- height
- borderWidth
- borderColor
- borderBottomWidth
- position (relative, absolute)
- E muito mais…

https://facebook.github.io/react-native/docs/layout-props.html

REACT-NATIVE

BASICS: STYLESHEET - FLEX BOX

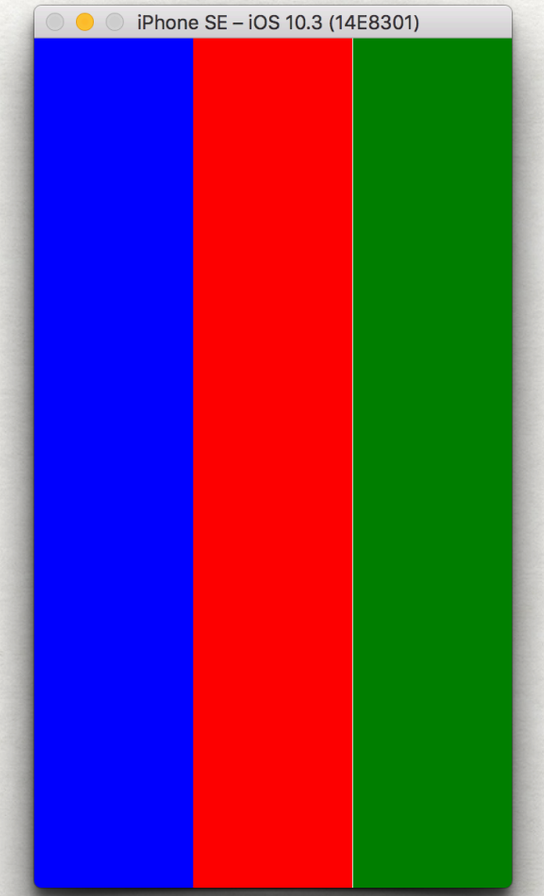
```
10      render() {
11        return (
12          <View style={styles.container}>
13            <View style={styles.view1}></View>
14            <View style={styles.view2}></View>
15            <View style={styles.view3}></View>
16          </View>
17        )
18      }
19    }
20
21    const styles = StyleSheet.create({
22      container: {
23        flex: 1
24      },
25      view1: {
26        flex: 1,
27        backgroundColor: 'blue'
28      },
29      view2: {
30        flex: 1,
31        backgroundColor: 'red'
32      },
33      view3: {
34        flex: 1,
35        backgroundColor: 'green'
36      }
37    })
```



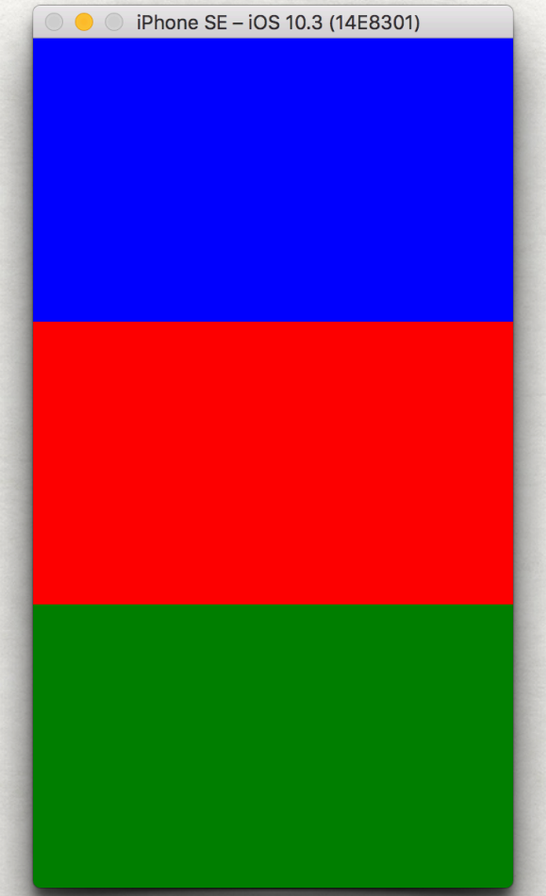
REACT-NATIVE

BASICS: STYLESHEET - FLEX BOX

```
const styles = StyleSheet.create({
  container: {
    flex: 1,
    flexDirection: 'row'
  },
  view1: {
    flex: 1,
```



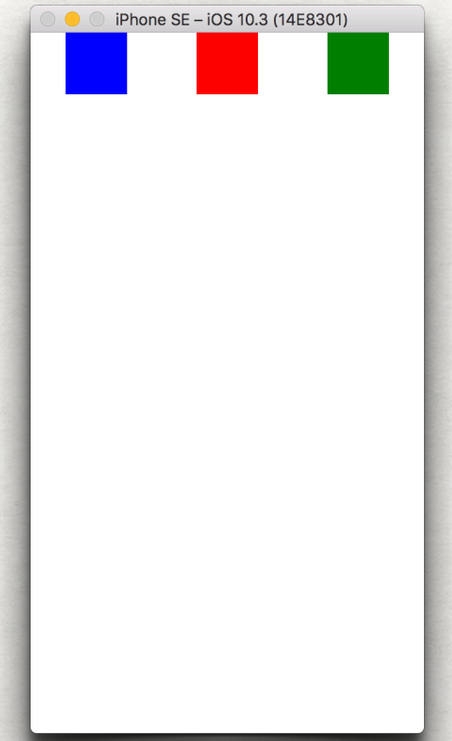

```
const styles = StyleSheet.create({
  container: {
    flex: 1,
    flexDirection: 'column'
  },
  view1: {
    flex: 1
```



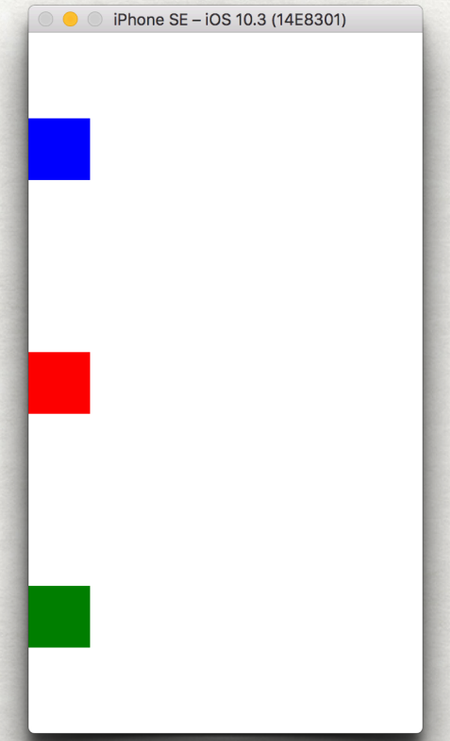
REACT-NATIVE

BASICS: STYLESHEET - FLEX BOX

```
const styles = StyleSheet.create({
  container: {
    flex: 1,
    flexDirection: 'row',
    justifyContent: 'space-around'
  },
  view1: {
    height: 50,
    width: 50,
    backgroundColor: 'blue'
```



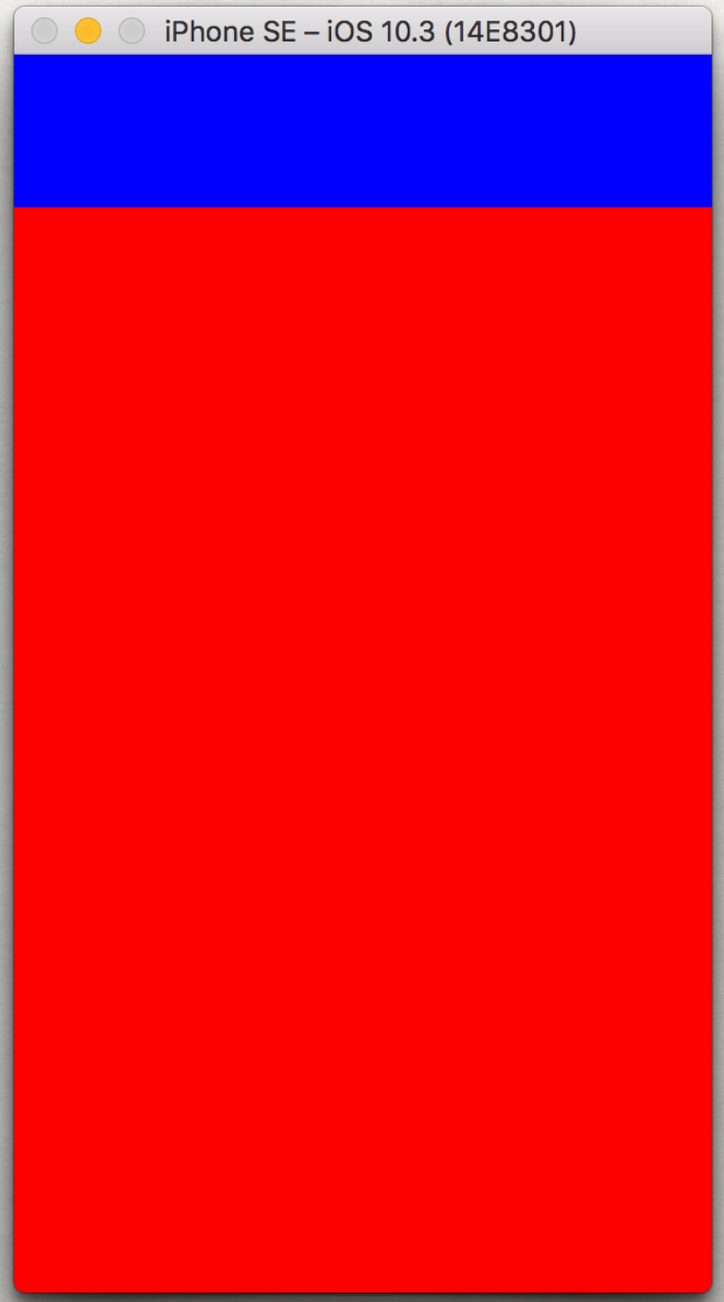

```
const styles = StyleSheet.create({
  container: {
    flex: 1,
    flexDirection: 'column',
    justifyContent: 'space-around'
  },
  view1: {
    height: 50,
    width: 50,
    backgroundColor: 'blue'
```



REACT-NATIVE

BASICS: STYLESHEET - FLEX BOX

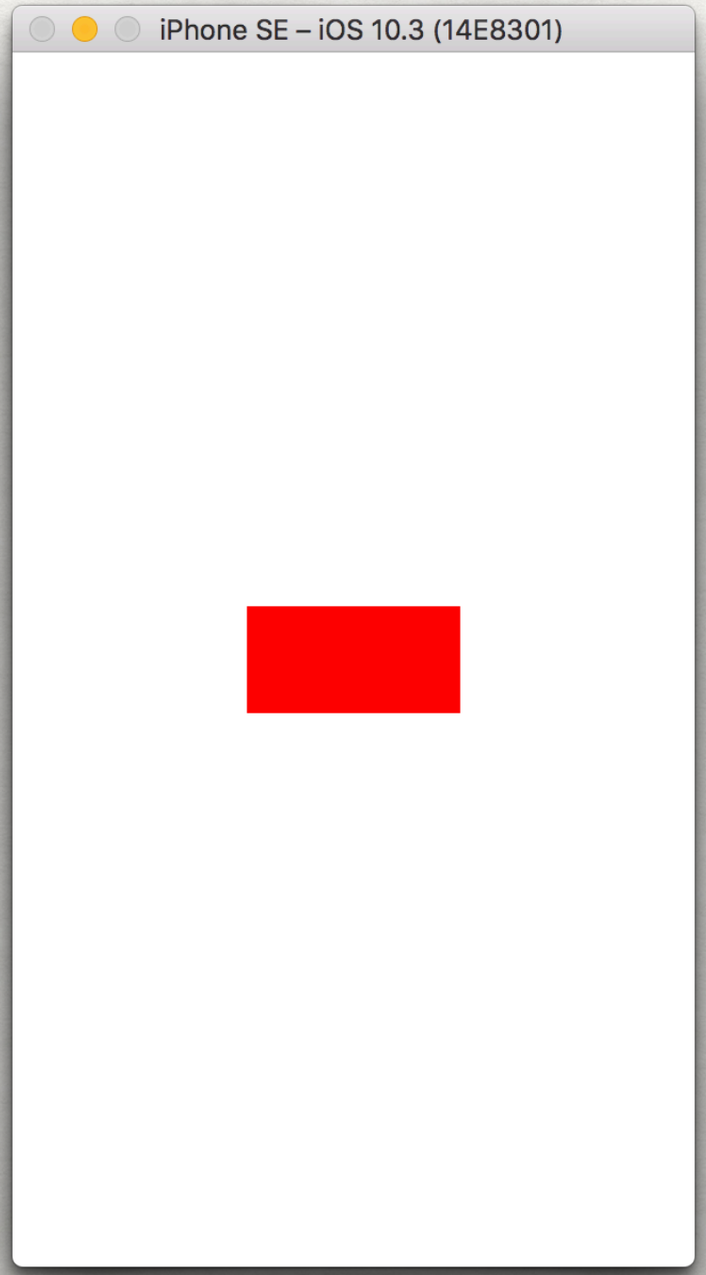
```
10      render() {
11        return (
12          <View style={styles.container}>
13            <View style={styles.view1}></View>
14            <View style={styles.view2}></View>
15          </View>
16        )
17      }
18    }
19
20    const styles = StyleSheet.create({
21      container: {
22        flex: 1,
23      },
24      view1: {
25        height: 70,
26        width: '100%',
27        backgroundColor: 'blue'
28      },
29      view2: {
30        flex: 1,
31        backgroundColor: 'red'
32      }
33    })
```



REACT-NATIVE

BASICS: STYLESHEET - FLEX BOX

```
10      render() {
11        return (
12          <View style={style.container}>
13            <View style={[style.view1, style.view2]}></View>
14          </View>
15        )
16      }
17    }
18
19    const style = StyleSheet.create({
20      container: {
21        flex: 1,
22        alignItems: 'center',
23        justifyContent: 'center'
24      },
25      view1: {
26        height: 50,
27        width: 50
28      },
29      view2: {
30        backgroundColor: 'red',
31        width: 100
32      }
33    })
```



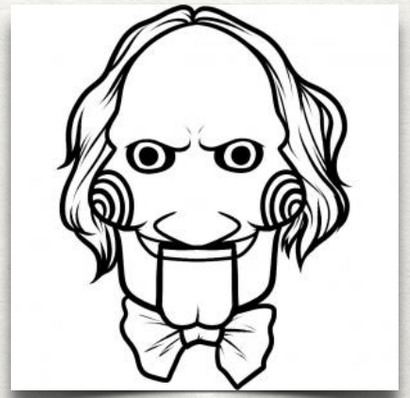
ENTENDENDO REACT

QUEST: PRIMEIRO LAYOUT

Header: fixo no top

Body: responsivo

Footer: fixo no bottom;
Items divididos igualmente



20 min

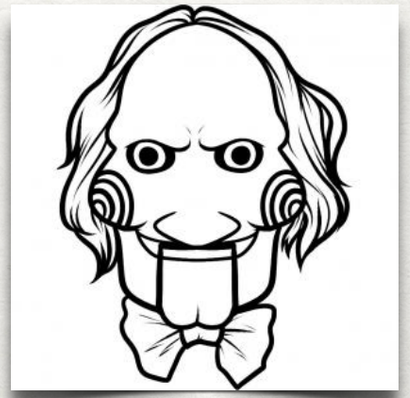
ENTENDENDO REACT

QUEST: PRIMEIRO LAYOUT

Header: fixo no top

Body: responsivo

Footer: fixo no bottom;
Items divididos igualmente



20 min

https://gist.github.com/benhurott/f1514c50f1a939b501344dc2b3f7fabb

REACT-NATIVE

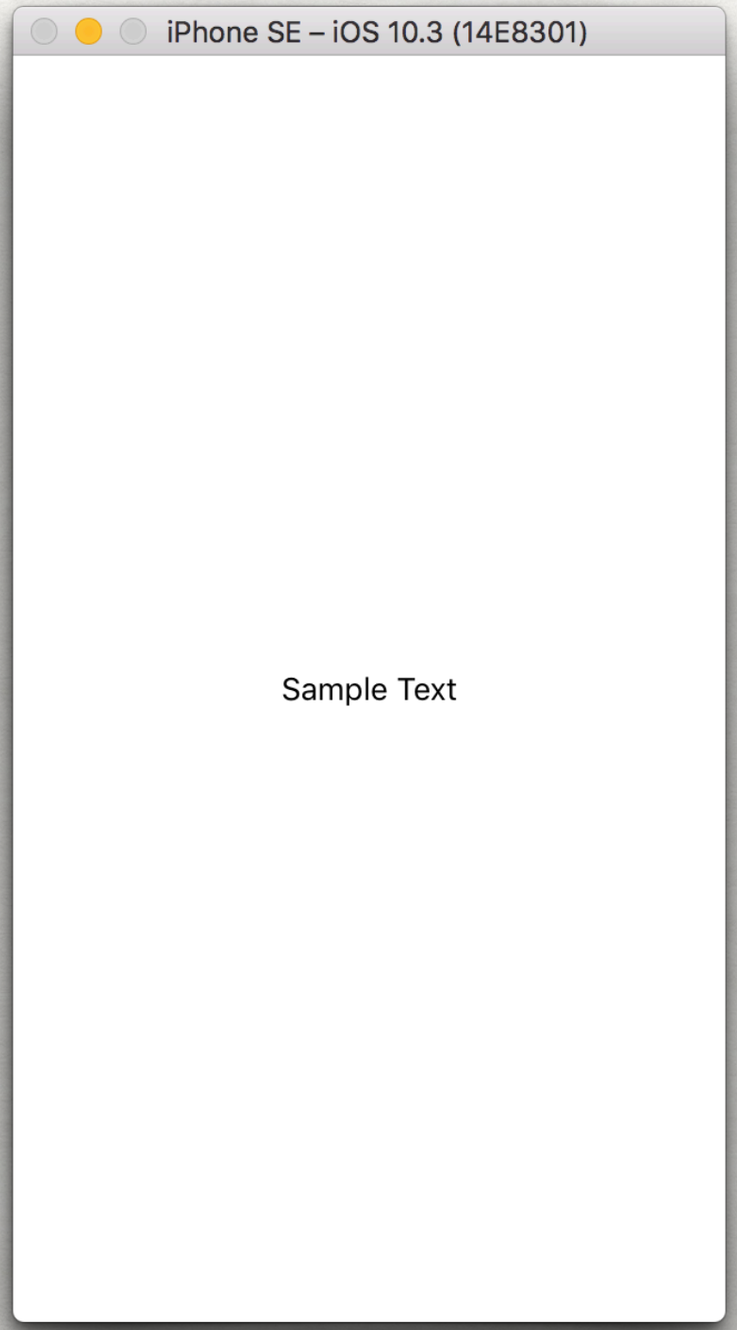
INICIANDO

Aa Text

REACT-NATIVE

BASICS: TEXT

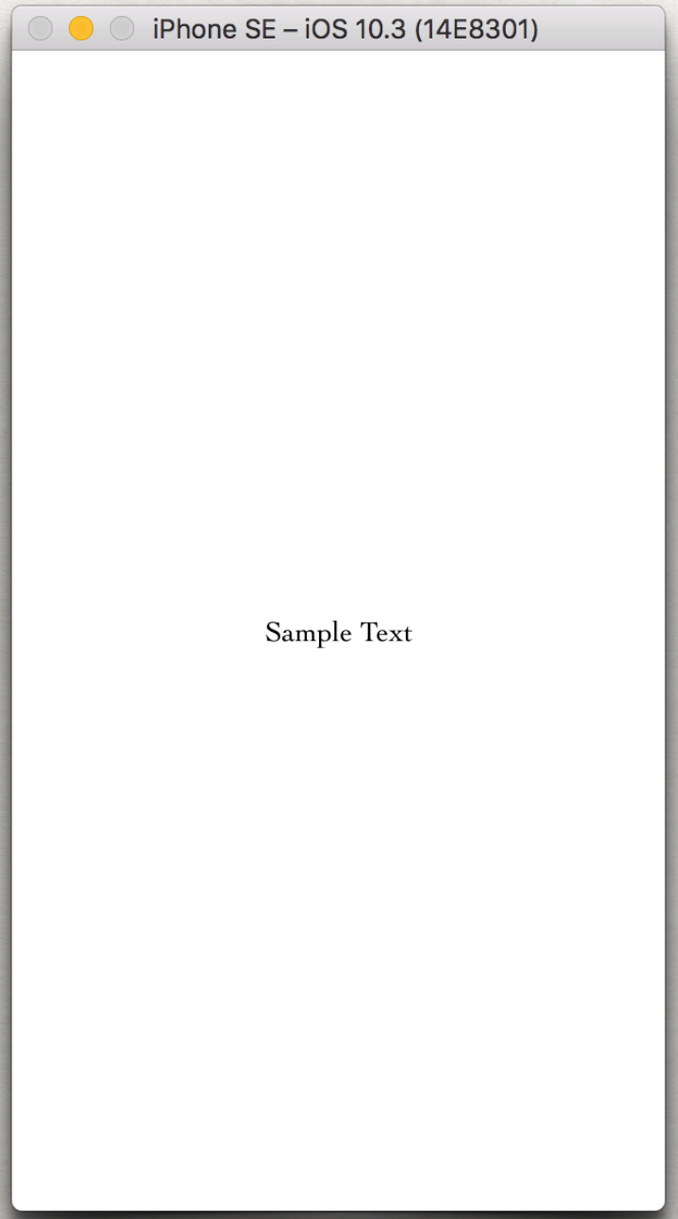
```
1   import React from 'react'
2   import { StyleSheet, View, Text, StatusBar } from 'react-native'
3
4   class App extends React.Component {
5     constructor(props) {
6       super(props)
7       StatusBar.setHidden(true)
8     }
9
10    render() {
11      return (
12        <View style={style.container}>
13          <Text>Sample Text</Text>
14        </View>
15      )
16    }
17  }
18
19  const style = StyleSheet.create({
20    container: {
21      flex: 1,
22      alignItems: 'center',
23      justifyContent: 'center'
24    }
25  })
26
27  export default App
```



REACT-NATIVE

BASICS: TEXT

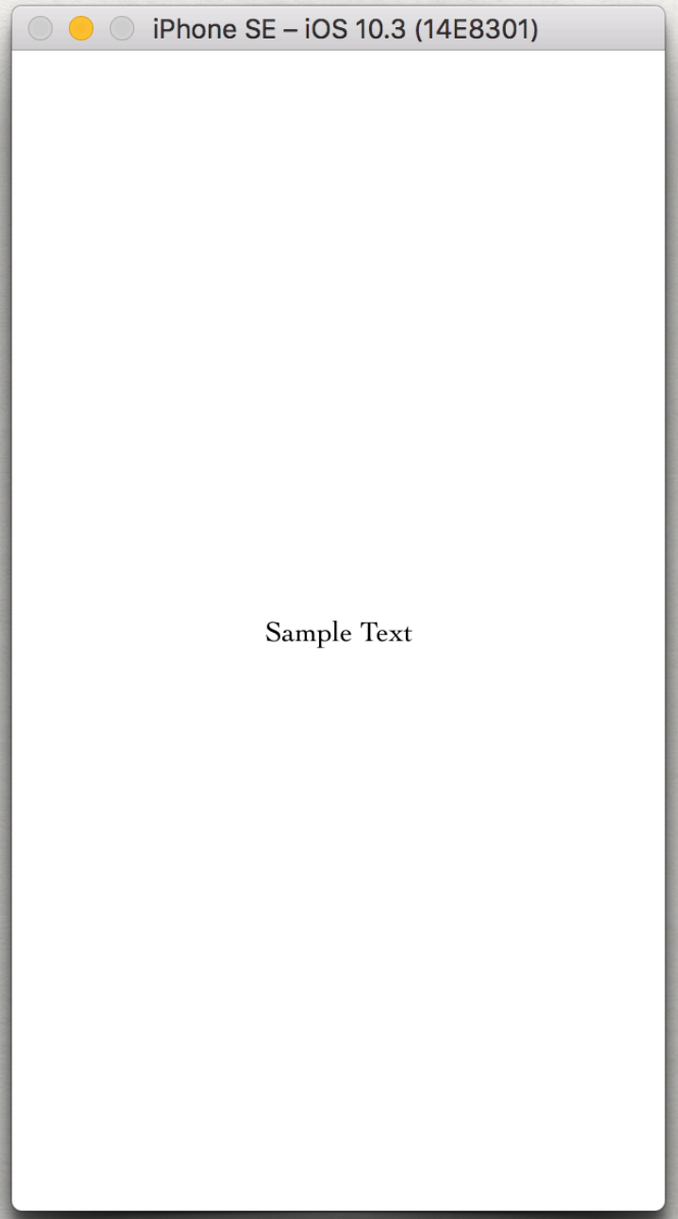
```
10      render() {
11        return (
12          <View style={style.container}>
13            <Text style={style.text}>Sample Text</Text>
14          </View>
15        )
16      }
17    }
18
19    const style = StyleSheet.create({
20      container: {
21        flex: 1,
22        alignItems: 'center',
23        justifyContent: 'center'
24      },
25      text: {
26        fontFamily: 'Cochin'
27      }
28    })
29
30    export default App
```



REACT-NATIVE

BASICS: TEXT

```
10      render() {
11        return (
12          <View style={style.container}>
13            <Text style={style.text}>Sample Text</Text>
14          </View>
15        )
16      }
17    }
18
19    const style = StyleSheet.create({
20      container: {
21        flex: 1,
22        alignItems: 'center',
23        justifyContent: 'center'
24      },
25      text: {
26        fontFamily: 'Cochin'
27      }
28    })
29
30    export default App
```

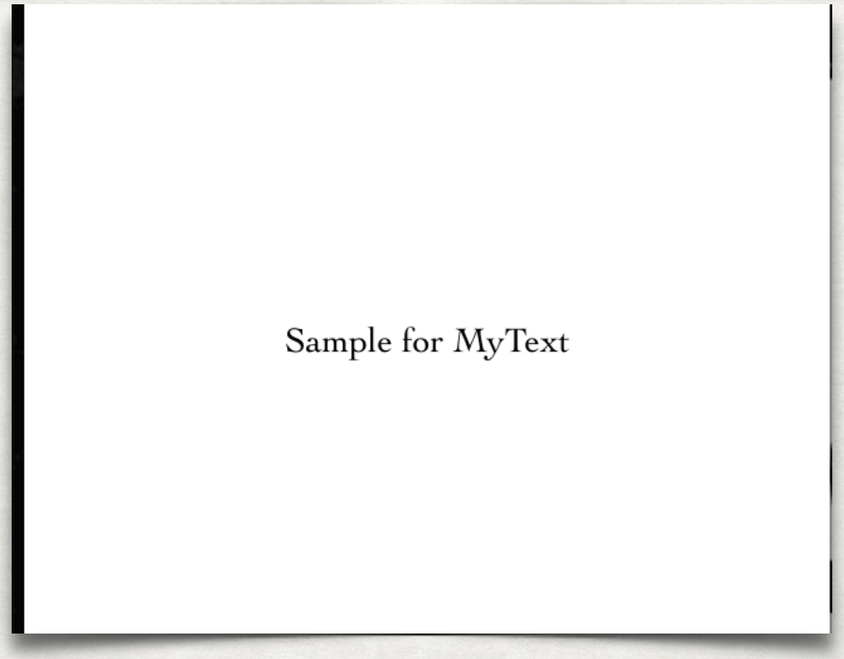


REACT-NATIVE

BASICS: TEXT

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

export default (props) => {
    return (
        <Text style={style.text}>
            {props.text}
        </Text>
    )
}

const style = StyleSheet.create({
    text: {
        fontFamily: 'Cochin'
    }
})
```

```
class App extends React.Component {
  constructor(props) {
    super(props)
    StatusBar.setHidden(true)
  }

  render() {
    return (
      <View style={style.container}>
        <MyText text={'Sample for MyText'} />
      </View>
    )
  }
}
```



REACT-NATIVE

BASICS: TEXT

```
render() {
  return (
    <View style={style.container}>
      <MyText>Sample for MyText</MyText>
    </View>
  )
}
```

REACT-NATIVE

BASICS: TEXT

```
render() {
  return (
    <View style={style.container}>
      <MyText>Sample for MyText</MyText>
    </View>
  )
}
```

```
1   import React from 'react'
2   import { Text, StyleSheet } from 'react-native'
3
4   export default (props) => {
5       return (
6           <Text style={style.text}>
7               {props.children}
8           </Text>
9       )
10  }
11
12  const style = StyleSheet.create({
13      text: {
14          fontFamily: 'Cochin'
15      }
16  })
```

REACT-NATIVE

BASICS: TEXT

```
12      render() {
13        return (
14          <View style={style.container}>
15            <MyText style={style.text}>
16              Sample for MyText
17            </MyText>
18          </View>
19        )
20      }
21    }
22
23    const style = StyleSheet.create({
24      container: {
25        flex: 1,
26        alignItems: 'center',
27        justifyContent: 'center'
28      },
29      text: {
30        color: 'red'
31      }
32    })
```

REACT-NATIVE

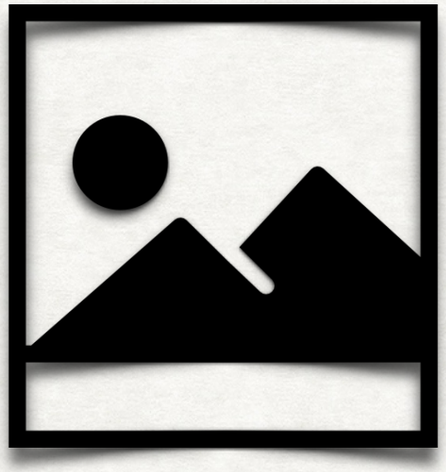
BASICS: TEXT

```
12    render() {
13      return (
14        <View style={style.container}>
15          <MyText style={style.text}>
16            Sample for MyText
17          </MyText>
18        </View>
19      )
20    }
21  }
22
23  const style = StyleSheet.create({
24    container: {
25      flex: 1,
26      alignItems: 'center',
27      justifyContent: 'center'
28    },
29    text: {
30      color: 'red'
31    }
32  })
```

```
1   import React from 'react'
2   import { Text, StyleSheet } from 'react-native'
3
4   export default (props) => {
5       return (
6           <Text
7               {...props}
8               style={[style.text, props.style]}
9               >
10              {props.children}
11          </Text>
12      )
13  }
14
15  const style = StyleSheet.create({
16      text: {
17          fontFamily: 'Cochin'
18      }
19  })
```

REACT-NATIVE

INICIANDO



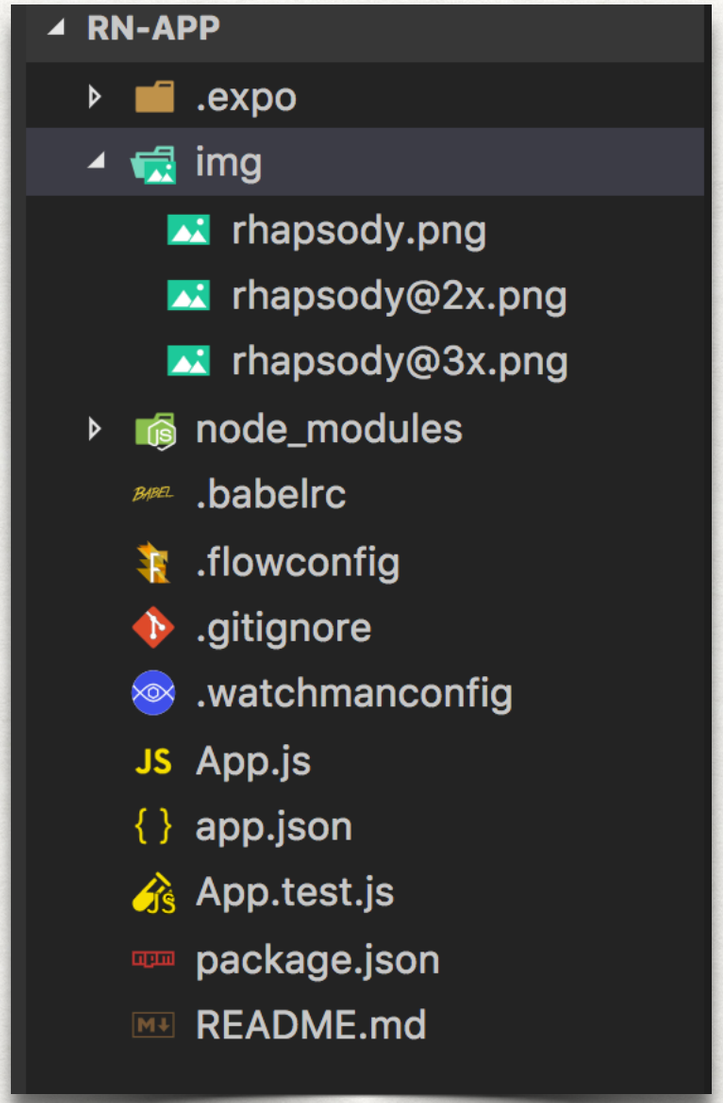
Image

REACT-NATIVE

BASICS: IMAGE

```
2   import { StyleSheet, View, Image, StatusBar } from 'react-native'
```

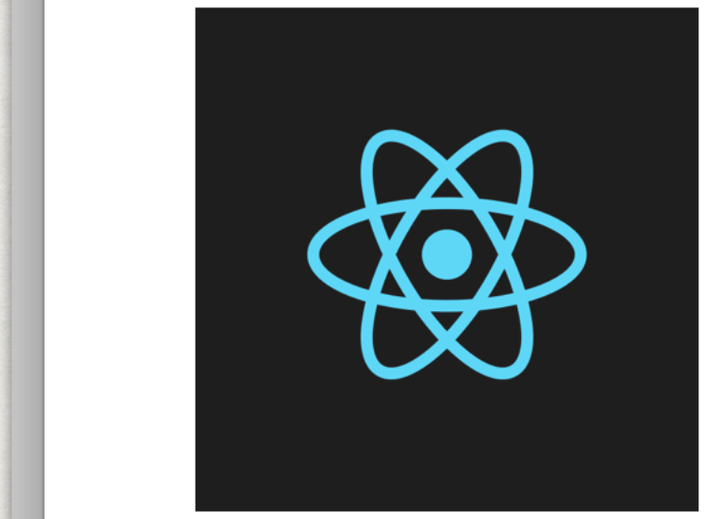
```
10    render() {
11      return (
12        <View style={style.container}>
13          <Image
14            source={require('./img/rhapsody.png')}
15            style={style.image}/>
16        </View>
17      )
18    }
19  }
20
21  const style = StyleSheet.create({
22    container: {
23      flex: 1,
24      alignItems: 'center',
25      justifyContent: 'center'
26    },
27    image: {
28      height: 200,
29      width: 200
30    }
31  })
```



REACT-NATIVE

BASICS: IMAGE

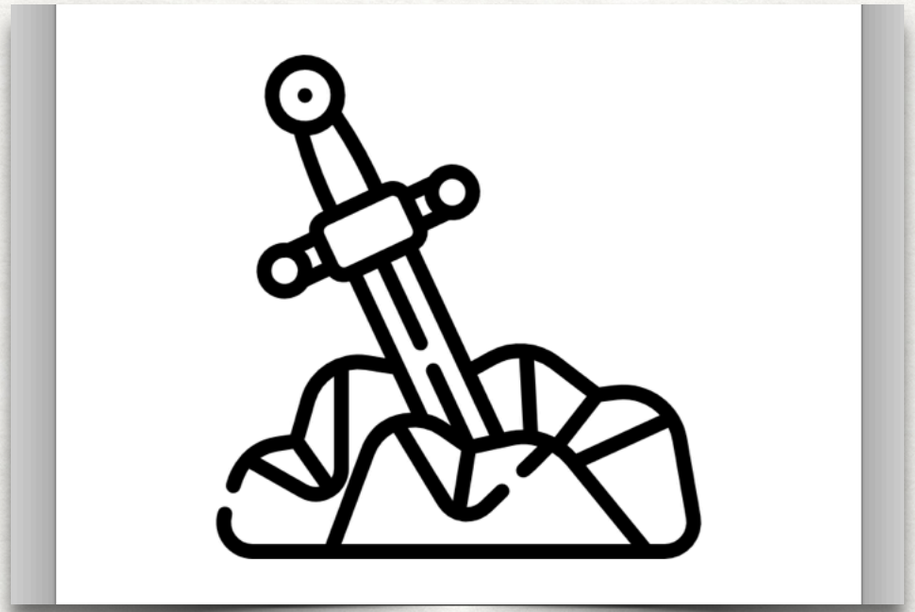
```
10    render() {
11      return (
12        <View style={style.container}>
13          <Image
14            source={{uri: 'https://facebook.github.io/react/img/logo_og.png'}}
15            style={style.image}/>
16        </View>
17      )
18    }
```



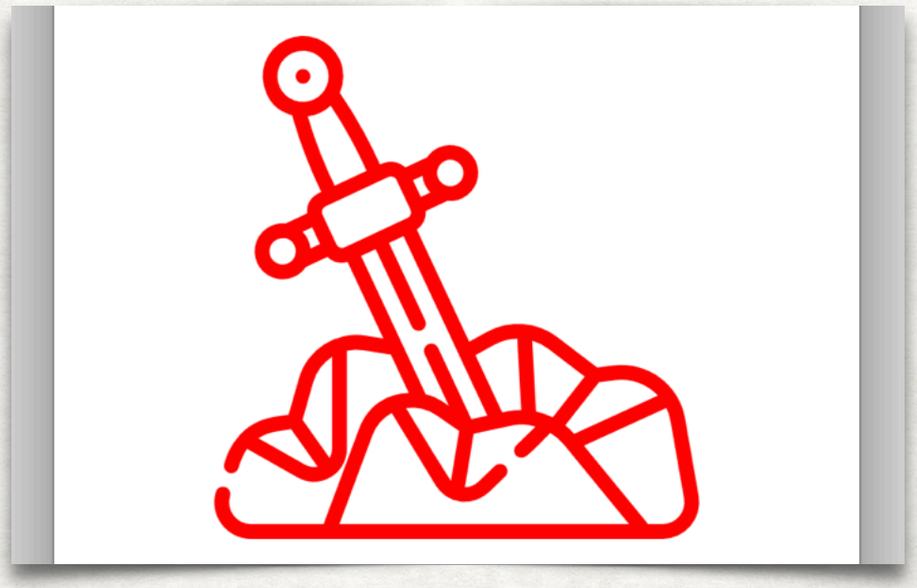
REACT-NATIVE

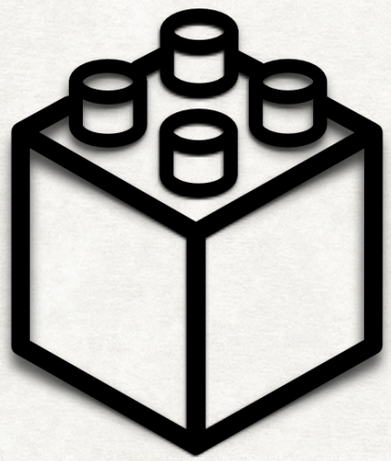
BASICS: IMAGE

```
10    render() {
11      return (
12        <View style={style.container}>
13          <Image
14            source={require('./img/sword.png')}
15            style={style.image}/>
16        </View>
17      )
18    }
19  }
```



```
21  const style = StyleSheet.create({
22    container: {
23      flex: 1,
24      alignItems: 'center',
25      justifyContent: 'center'
26    },
27    image: {
28      height: 200,
29      width: 200,
30      tintColor: 'red'
31    }
32  })
```

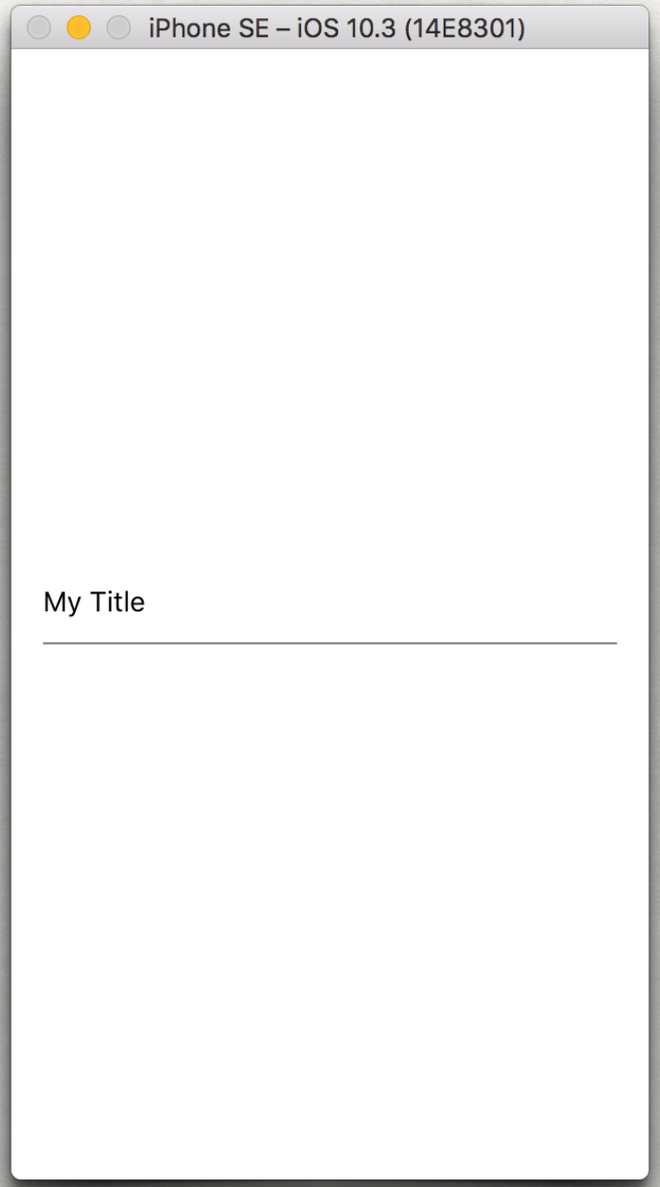




Layout Metamórfico

REACT-NATIVE

NOT SO BASIC =P: LAYOUT METAMÓRFICO



REACT-NATIVE

NOT SO BASIC =P: LAYOUT METAMÓRFICO

```
4   import MyTitle from './MyTitle'
5
6   class App extends React.Component {
7     constructor(props) {
8       super(props)
9       StatusBar.setHidden(true)
10    }
11
12    render() {
13      return (
14        <View style={style.container}>
15          <MyTitle
16            height={30}
17            textComponent={(props) => {
18              return (<Text>My Title</Text>)
19            }}/>
20        </View>
21      )
22    }
23  }
```

REACT-NATIVE

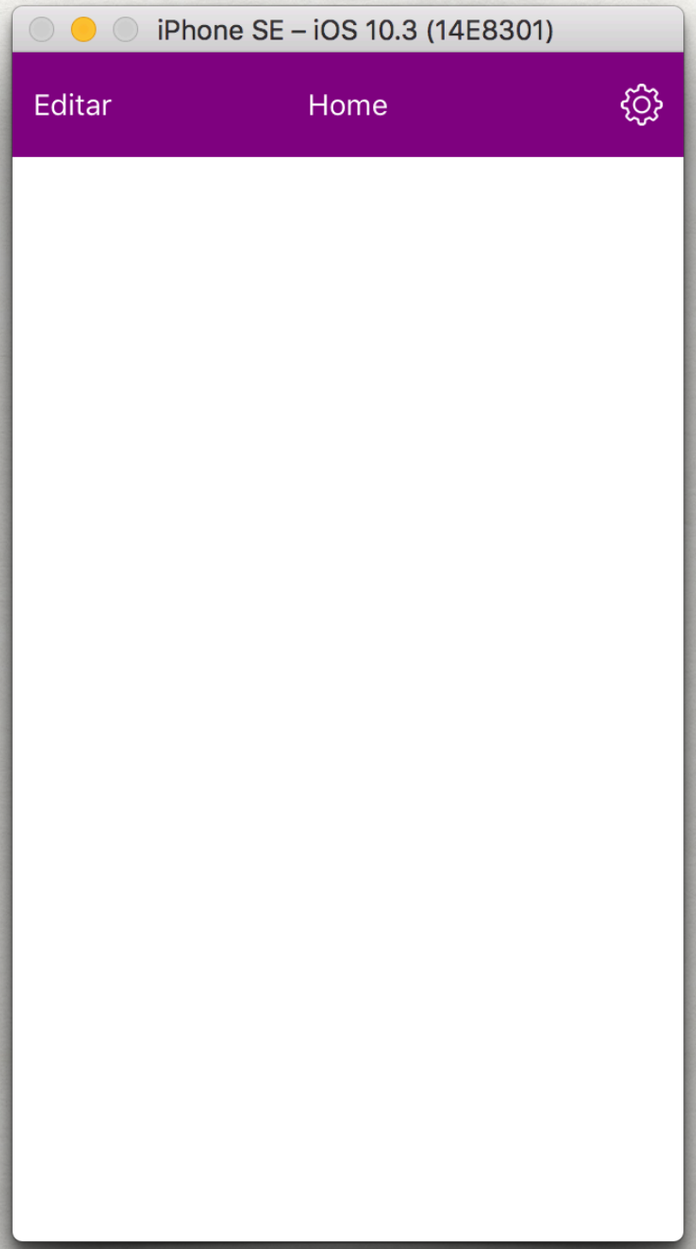
NOT SO BASIC =P: LAYOUT METAMÓRFICO

```
4   import MyTitle from './MyTitle'
5
6   class App extends React.Component {
7     constructor(props) {
8       super(props)
9       StatusBar.setHidden(true)
10    }
11
12    render() {
13      return (
14        <View style={style.container}>
15          <MyTitle
16            height={30}
17            textComponent={(props) => {
18              return (<Text>My Title</Text>)
19            }}/>
20        </View>
21      )
22    }
23  }
```

```
1   import React from 'react'
2   import { View, StyleSheet } from 'react-native'
3
4   export default (props) => {
5       const TextComponent = props.textComponent
6
7       return (
8           <View
9               style={[
10                  style.container,
11                  { height: props.height }
12              ]}>
13              <TextComponent />
14          </View>
15      )
16  }
17
18  const style = StyleSheet.create({
19      container: {
20          width: '90%',
21          borderColor: 'gray',
22          borderBottomWidth: 1
23      }
24  })
```

REACT-NATIVE

QUEST: MY NAV BAR



25 min

REACT-NATIVE

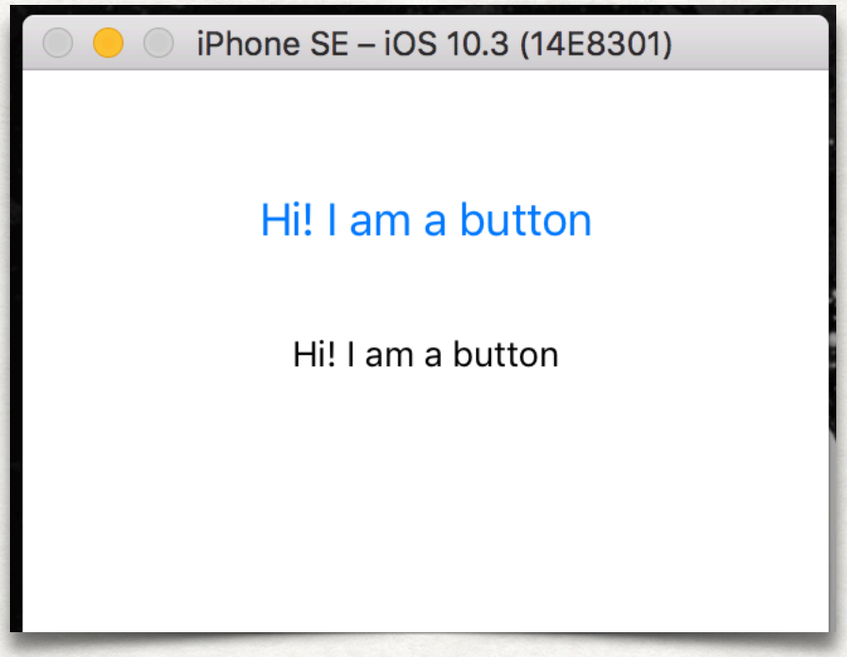
INICIANDO

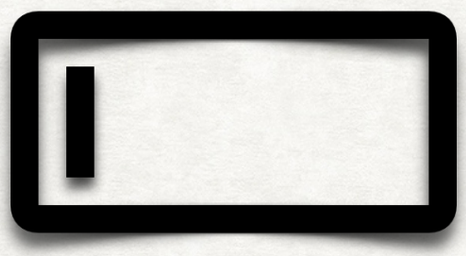
Buttons

REACT-NATIVE

BASICS: BUTTONS

```
render() {
  return (
    <View style={style.container}>
      <Button
        style={style.button}
        title={'Hi! I am a button'}
        onPress={this.onButtonPressed}>
      </Button>
      <TouchableOpacity
        style={style.button}
        onPress={this.onButtonPressed}>
        <Text>Hi! I am a button</Text>
      </TouchableOpacity>
    </View>
  )
}
```





TextInput

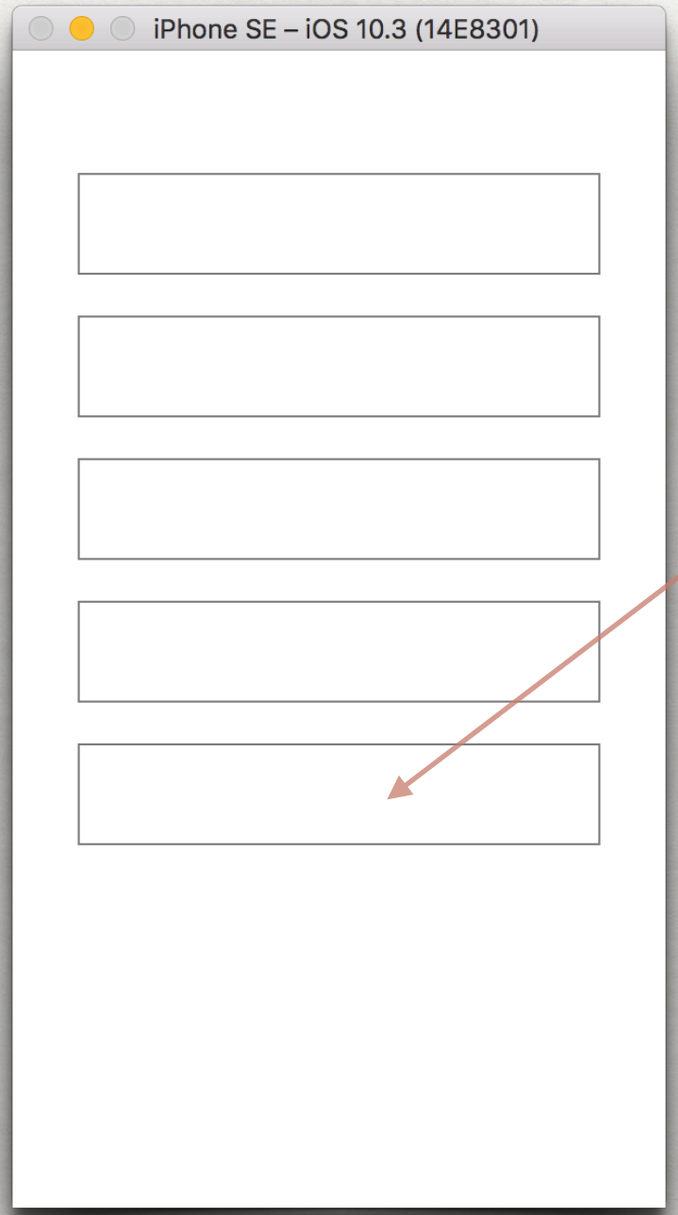
REACT-NATIVE

BASICS: TEXTINPUT

```
1   import React from 'react'
2   import { StyleSheet, View, StatusBar, TextInput } from 'react-native'
3
4   class App extends React.Component {
5     constructor(props) {
6       super(props)
7       StatusBar.setHidden(true)
8
9       this.state = {
10        text: ''
11      }
12    }
13
14    render() {
15      return (
16        <View style={style.container}>
17          <TextInput
18            style={style.input}
19            value={this.state.text}
20            onChangeText={text => this.setState({ text })}/>
21        </View>
22      )
23    }
24  }
```

REACT-NATIVE

BASICS: TEXTINPUT



REACT-NATIVE

BASICS: TEXTINPUT

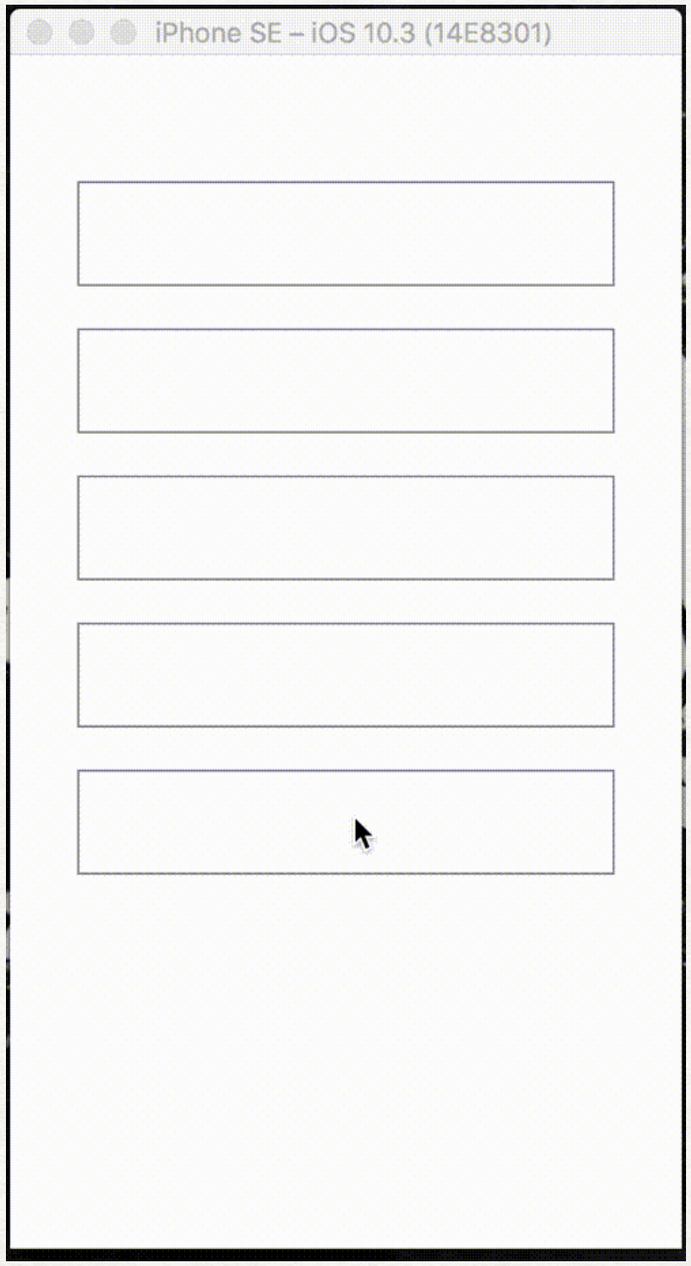
```
3   import { KeyboardAwareScrollView } from 'react-native-keyboard-aware-scroll-view'
4
5   class App extends React.Component {
6     constructor(props) {
7       super(props)
8       StatusBar.setHidden(true)
9
10      this.state = {
11        text: ''
12      }
13    }
14
15    render() {
16      return (
17        <View style={style.container}>
18          <KeyboardAwareScrollView
19            style={style.keyboardView}
20            contentContainerStyle={style.keyboardViewContent}>
21            <TextInput
22              style={style.input}
```

```
54    keyboardView: {
55      flex: 1,
56      width: '100%'
57    },
58    keyboardViewContent: {
59      flex: 1,
60      alignItems: 'center',
61      justifyContent: 'flex-start'
62    },
```

https://github.com/APSL/react-native-keyboard-aware-scroll-view

REACT-NATIVE

BASICS: TEXTINPUT

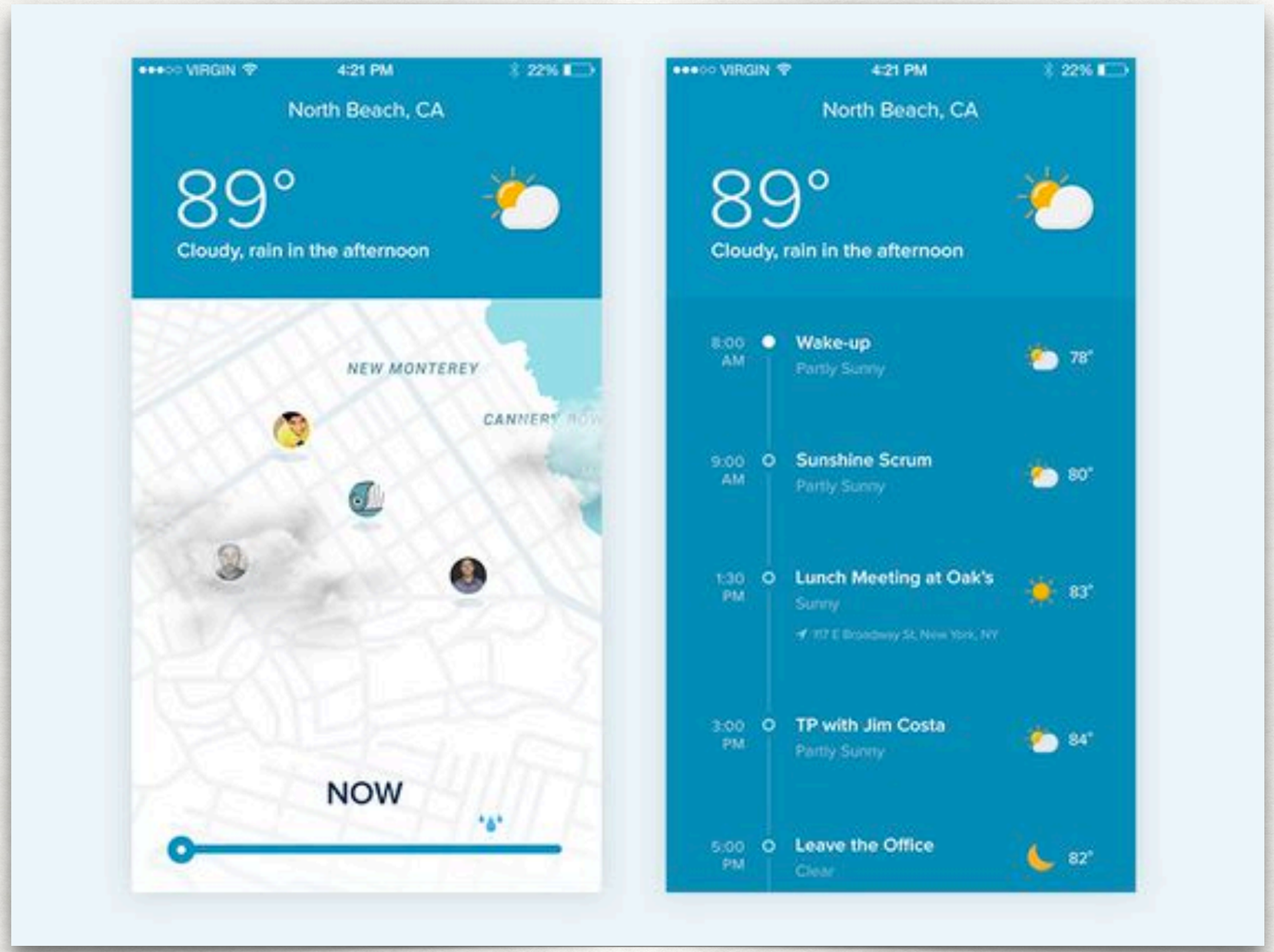


https://github.com/APSL/react-native-keyboard-aware-scroll-view

HOME QUEST
CREATE AN AWESOME SCREEN

REACT-NATIVE

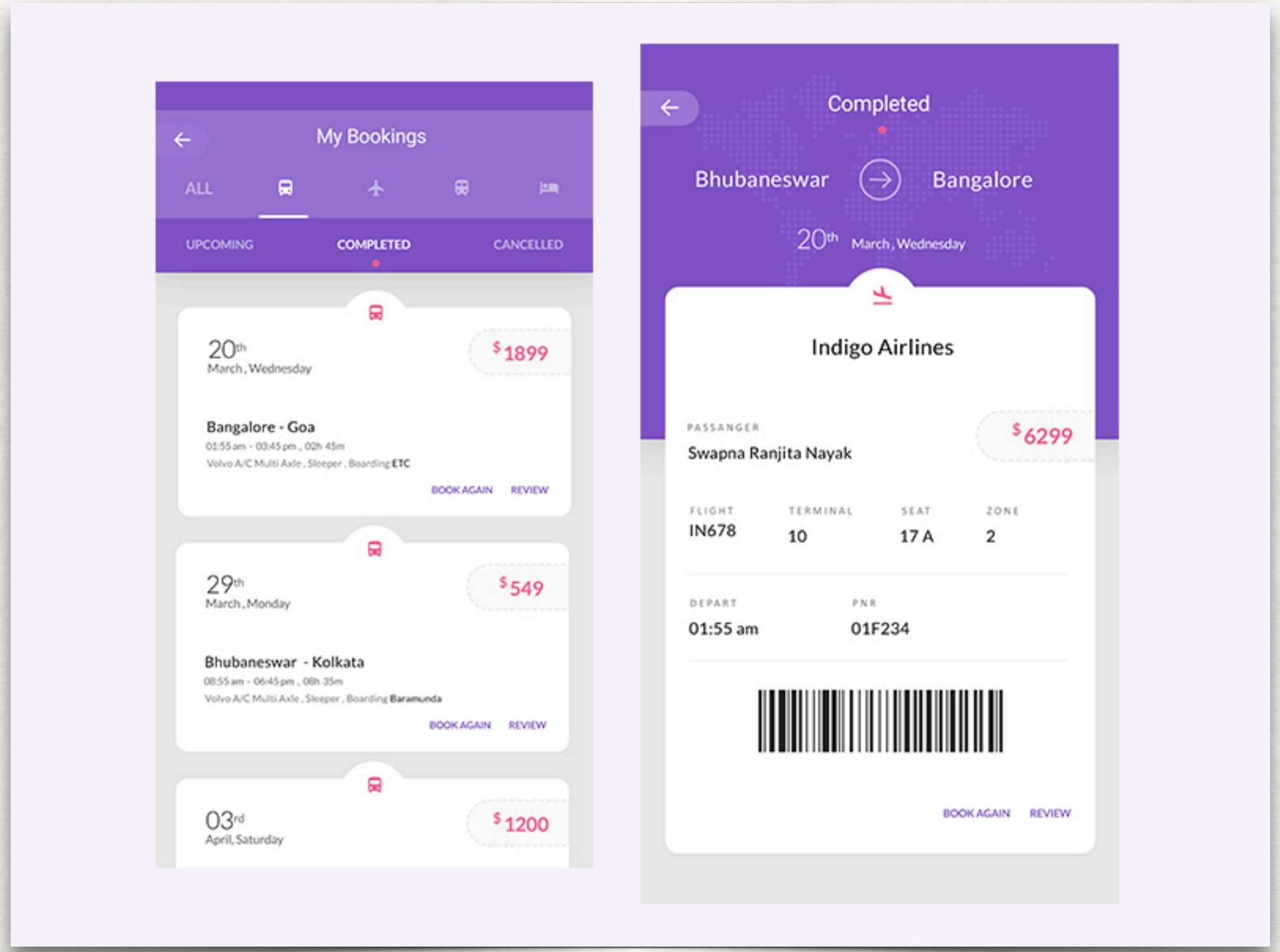
HOME QUEST: DESIGN A AWESOME SCREEN



https://i.pinimg.com/564x/1c/a0/c3/1ca0c3d3c9e71575de311d173efdeab1.jpg

REACT-NATIVE

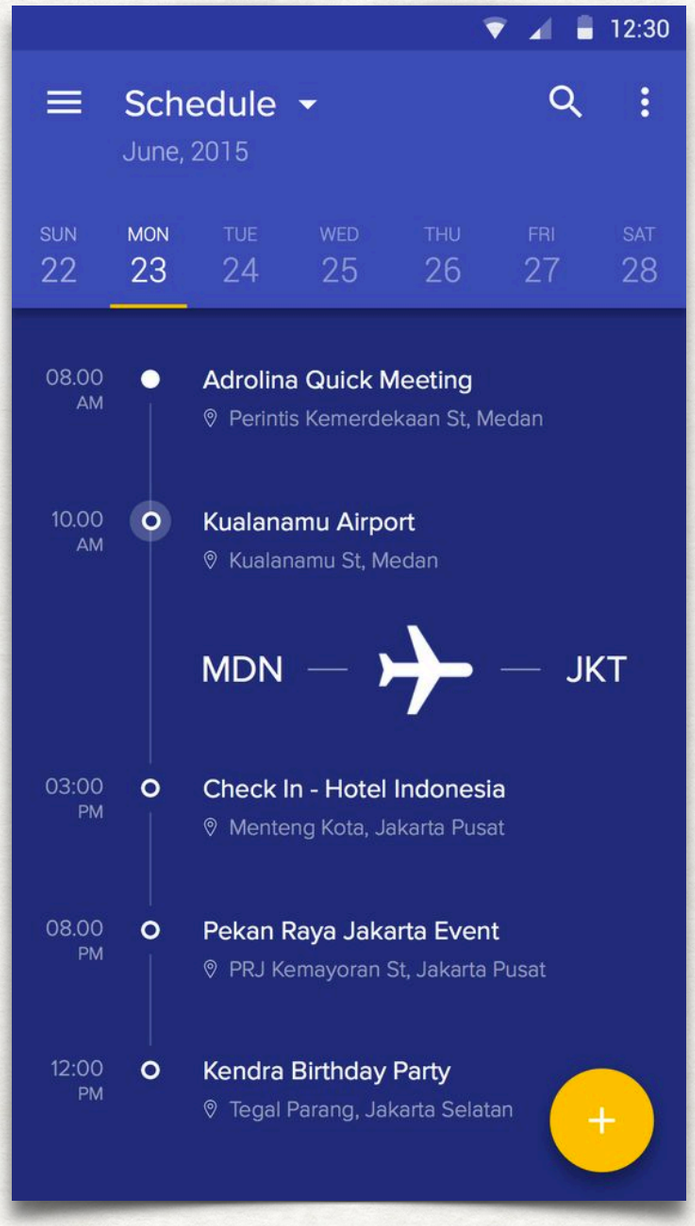
HOME QUEST: DESIGN A AWESOME SCREEN



https://assets.materialup.com/uploads/4089abf6-f721-48aa-bc78-ec3675f37240/preview.jpg

REACT-NATIVE

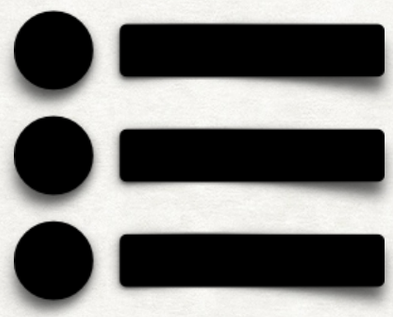
HOME QUEST: DESIGN A AWESOME SCREEN



https://i.pinimg.com/564x/cd/8b/55/cd8b55a22ec2a950a0ebdbe9660e24ad.jpg

REACT-NATIVE

INICIANDO



Lists

REACT-NATIVE

BASICS: LIST

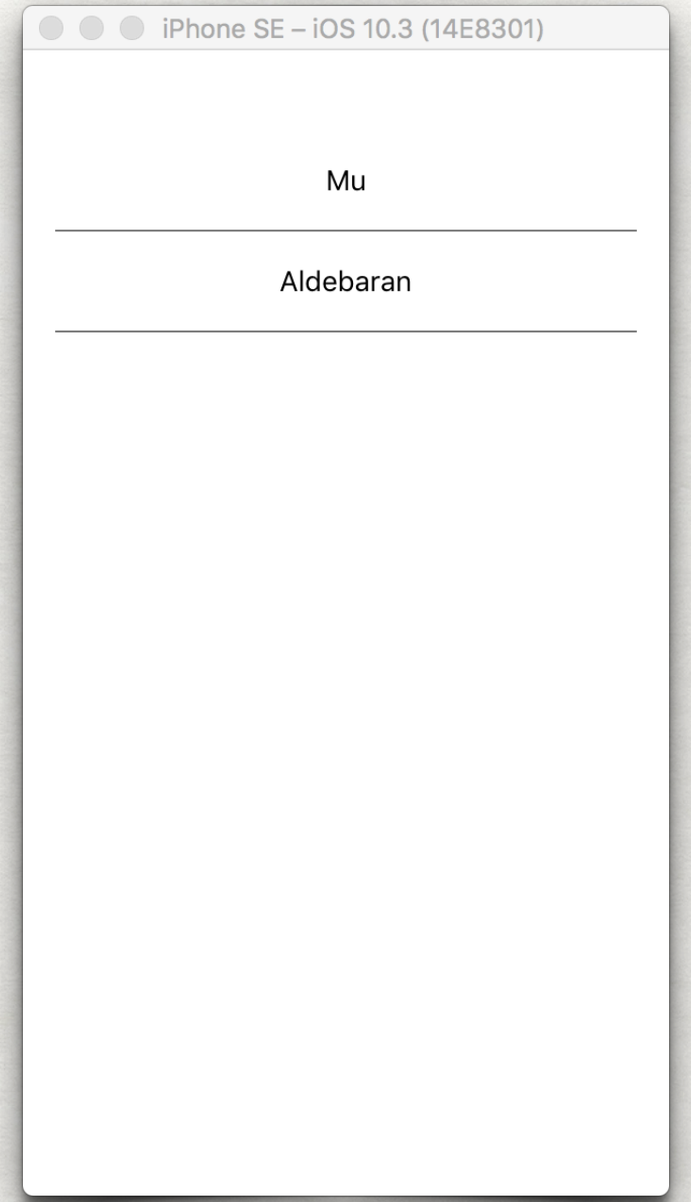
```
9     this.state = {
10      data: [
11        { id: 1, name: 'Mu' },
12        { id: 2, name: 'Aldebaran' }
13      ]
14    }
```

```
40  const style = StyleSheet.create({
41    container: {
42      flex: 1,
43      alignItems: 'center',
44      justifyContent: 'flex-start',
45      paddingTop: 40
46    },
47    list: {
48      width: '90%'
49    },
50    row: {
51      height: 50,
52      borderBottomWidth: 1,
53      borderColor: 'gray',
54      alignItems: 'center',
55      justifyContent: 'center'
56    }
57  })
```

```
19  _renderListItem({ item }) {
20    return (
21      <View style={style.row}>
22        <Text>{item.name}</Text>
23      </View>
24    )
25  }
26
27  render() {
28    return (
29      <View style={style.container}>
30        <FlatList
31          style={style.list}
32          data={this.state.data}
33          keyExtractor={(item, index) => item.id }
34          renderItem={this._renderListItem} />
35      </View>
36    )
37  }
```

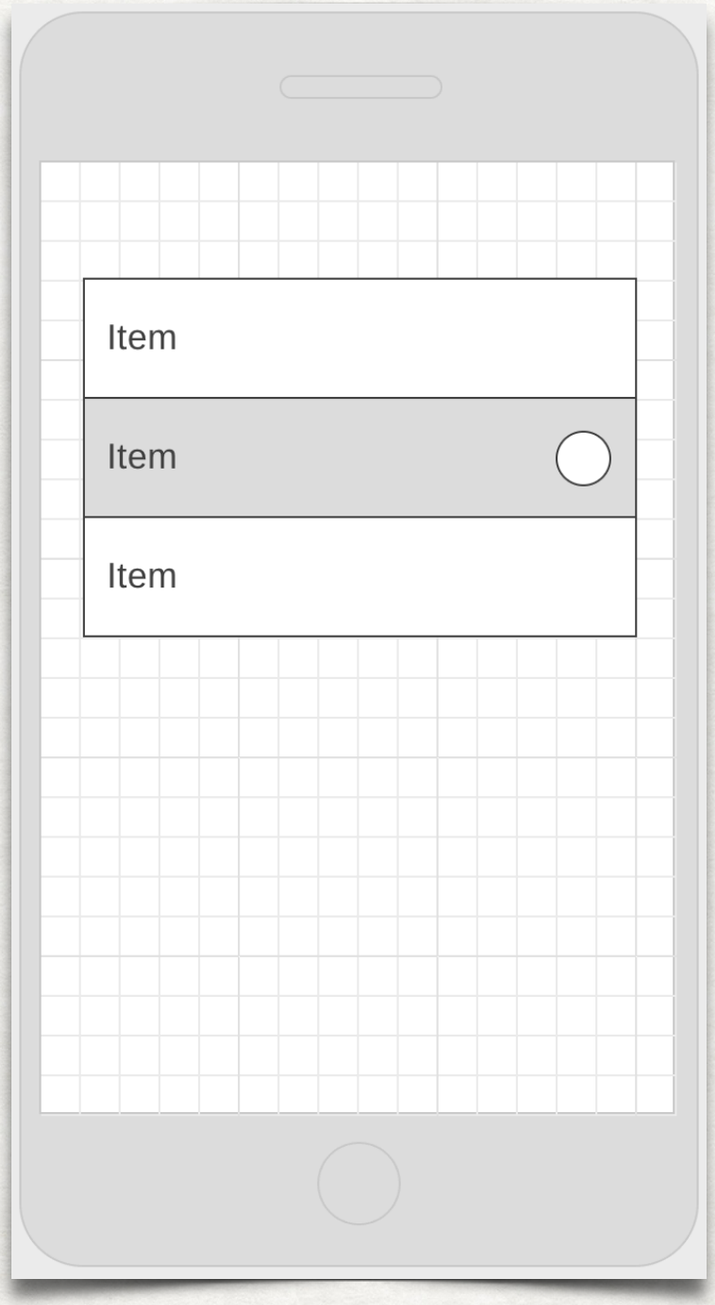
REACT-NATIVE

BASICS: LIST

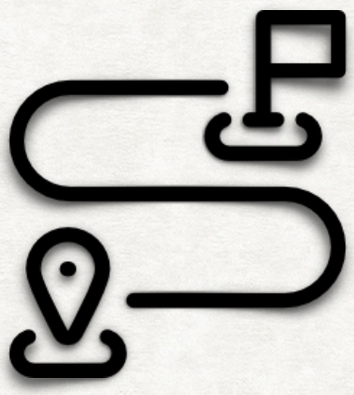


REACT-NATIVE

QUEST: SELECTABLE ITEM



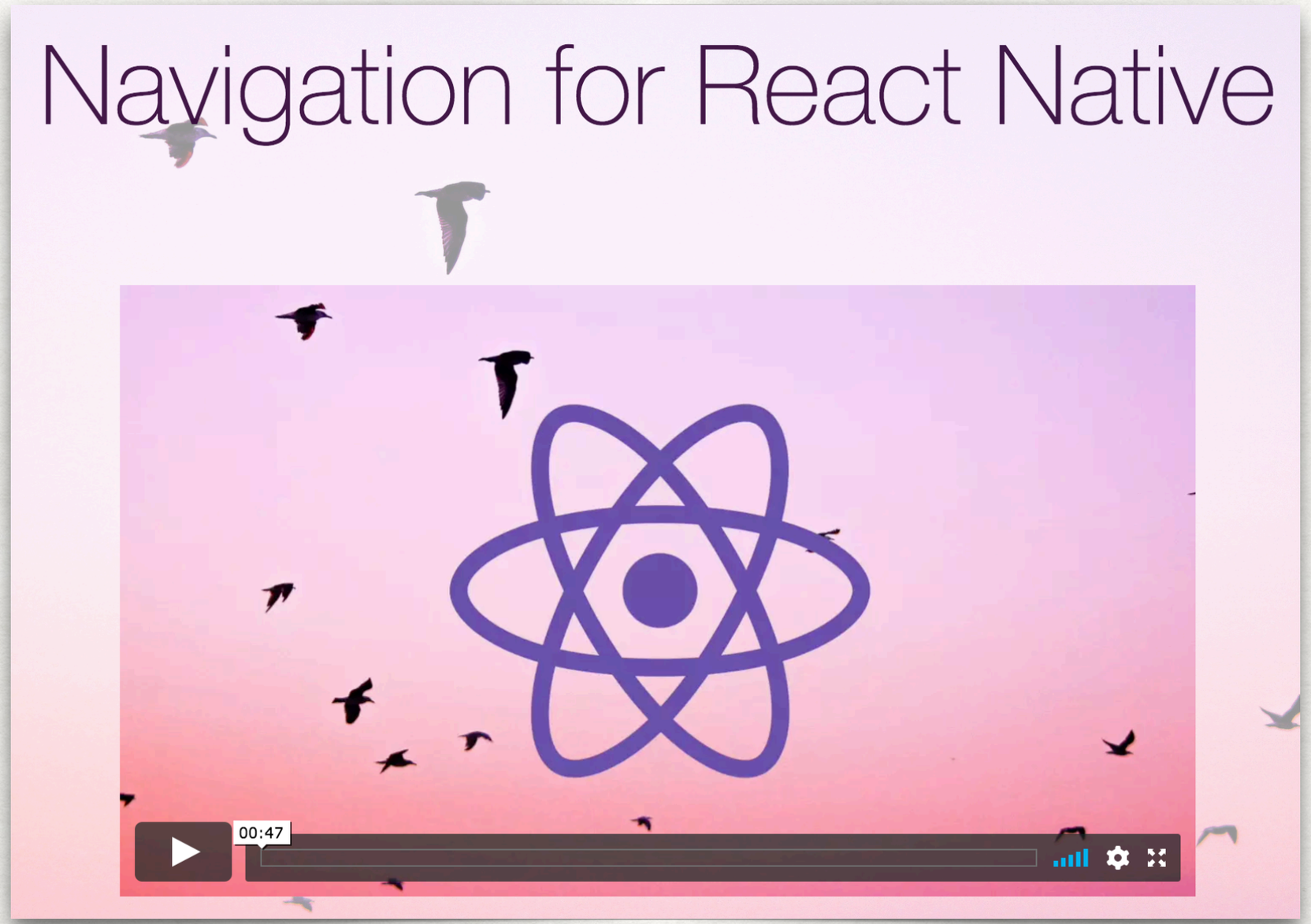
25 min



Navigation

REACT-NATIVE

NAVIGATION



https://reactnavigation.org/

REACT-NATIVE

NAVIGATION

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

export default class Page1 extends React.Component {
    render() {
        return (
            <View style={styles.
                <Text>Page 1 =)<
            </View>
        )
    }
}

const styles = StyleSheet.create
    container: {
        flex: 1
    }
})
```

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

export default class Page2 extends React.Component {
    render() {
        return (
            <View style={styles.container}>
                <Text>Page 2 =)</Text>
            </View>
        )
    }
}

const styles = StyleSheet.create({
    container: {
        flex: 1
    }
})
```

https://reactnavigation.org/

REACT-NATIVE

NAVIGATION

```
1   import React from 'react'
2   import { StackNavigator } from 'react-navigation'
3
4   import Page1 from './Page1'
5   import Page2 from './Page2'
6
7   const App = StackNavigator({
8     Page1: { screen: Page1 },
9     Page2: { screen: Page2 }
10  });
11
12  export default App
```

https://reactnavigation.org/

REACT-NATIVE

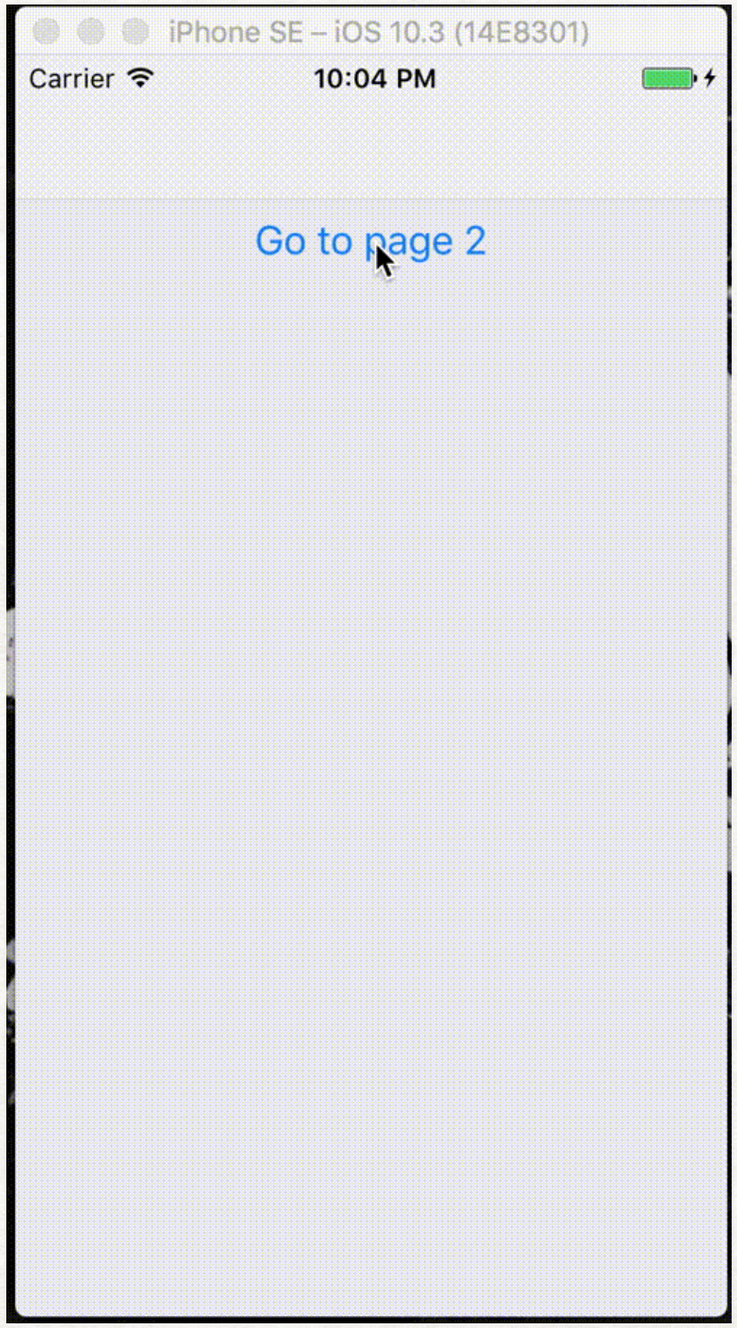
NAVIGATION

```
1   import React from 'react'
2   import { View, StyleSheet, Text, Button } from 'react-native'
3
4   export default class Page1 extends React.Component {
5       render() {
6           const { navigate } = this.props.navigation;
7
8           return (
9               <View style={styles.container}>
10                  <Button
11                      onPress={() => navigate('Page2')}
12                      title={'Go to page 2'}/>
13              </View>
14          )
15      }
16  }
17
18  const styles = StyleSheet.create({
19      container: {
20          flex: 1
21      }
22  })
```

https://reactnavigation.org/

REACT-NATIVE

NAVIGATION

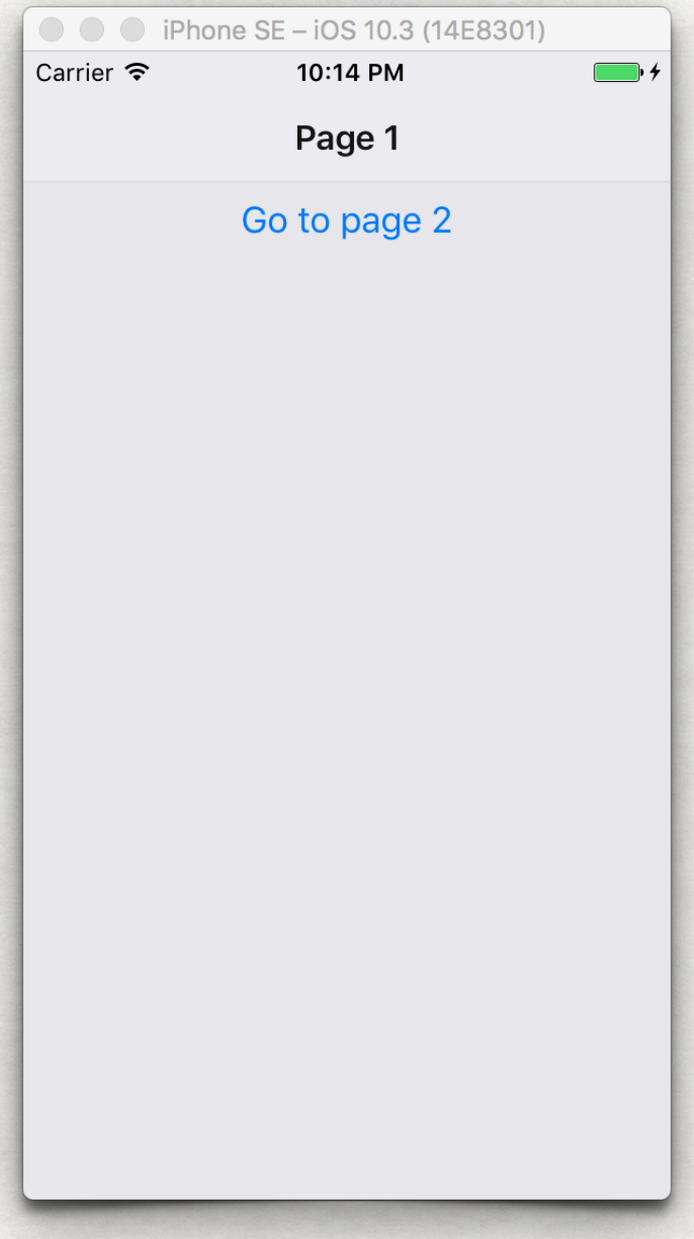


https://reactnavigation.org/

REACT-NATIVE

NAVIGATION

```
7   const App = StackNavigator({
8     Page1: {
9       screen: Page1,
10      navigationOptions: {
11        title: 'Page 1'
12      }
13    },
14    Page2: { screen: Page2 }
15  });
```



https://reactnavigation.org/

REACT-NATIVE

NAVIGATION

```
7   const App = StackNavigator({
8     Page1: {
9       screen: Page1,
10      navigationOptions: {
11        title: 'Page 1'
12      }
13    },
14    Page2: {
15      screen: Page2,
16      navigationOptions: {
17        header: null
18      }
19    }
20  })
```

https://reactnavigation.org/

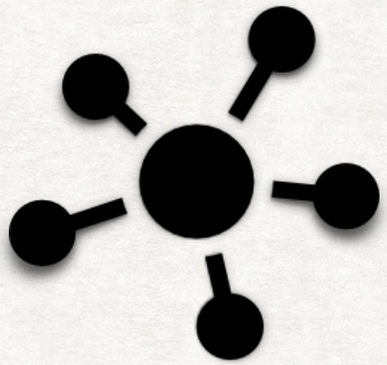
REACT-NATIVE

NAVIGATION

```
import FeedNavigation from './FeedNavigation'

const HomeNavigation = TabNavigator({
    Feed: {
        screen: FeedNavigation,
        navigationOptions: {
            title: 'feed',
            header: null,
            showIcon: true,
            tabBarIcon: ({ tintColor }) => (
                <TabBarIcon
                    source={require('./img/tab-icons/feed-tab-icon.png')}
                    tintColor={tintColor}
                />
            ),
        }
    },
```

```
export default StackNavigator({
    Feed: {
        screen: FeedPage,
        navigationOptions: {
            header: null,
            gesturesEnabled: false
        }
    },
    QuestDetail: {
```

https://reactnavigation.org/



Organização De Código

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ORGANIZAÇÃO DE CÓDIGO

Negócio:
Tempo de Vida; Complexidade; Áreas Atingidas

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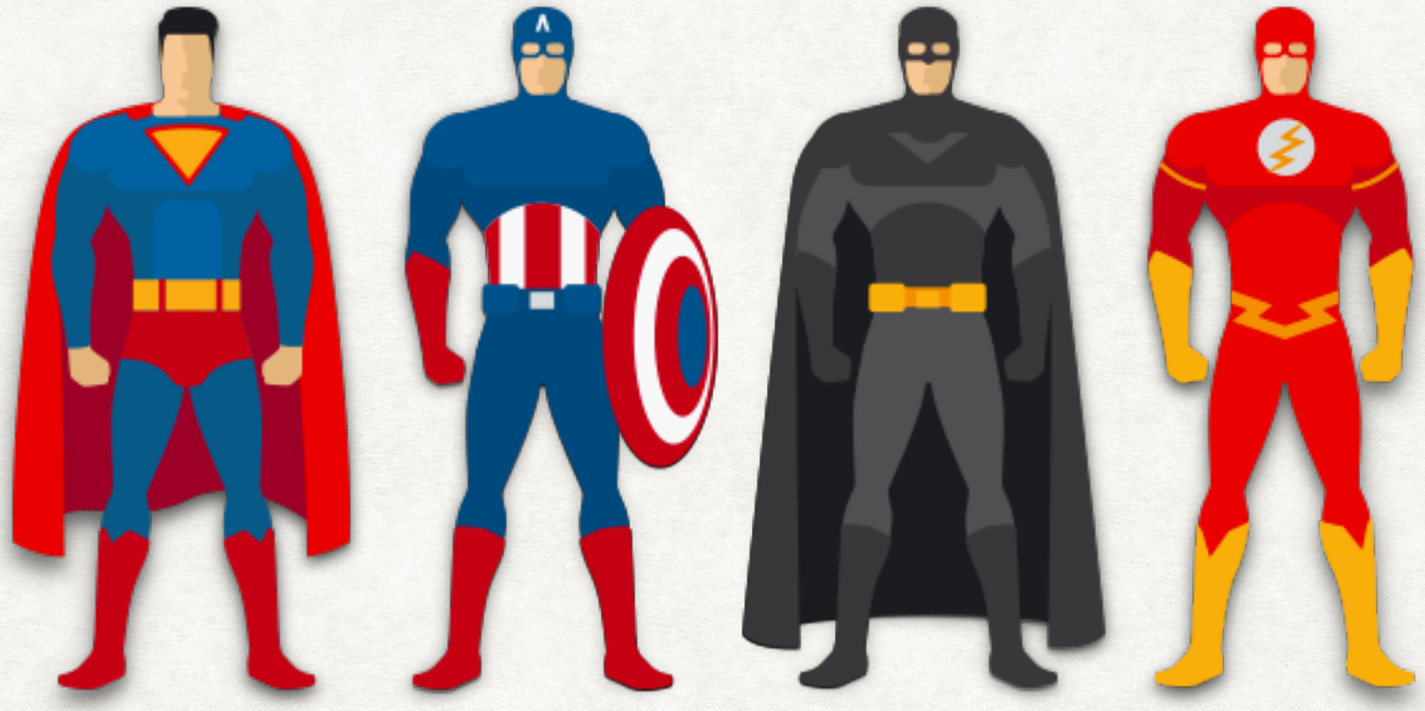
ORGANIZAÇÃO DE CÓDIGO



Time:
escalabilidade; divergência entre habilidades e experiências;
requisitos complexos de código;

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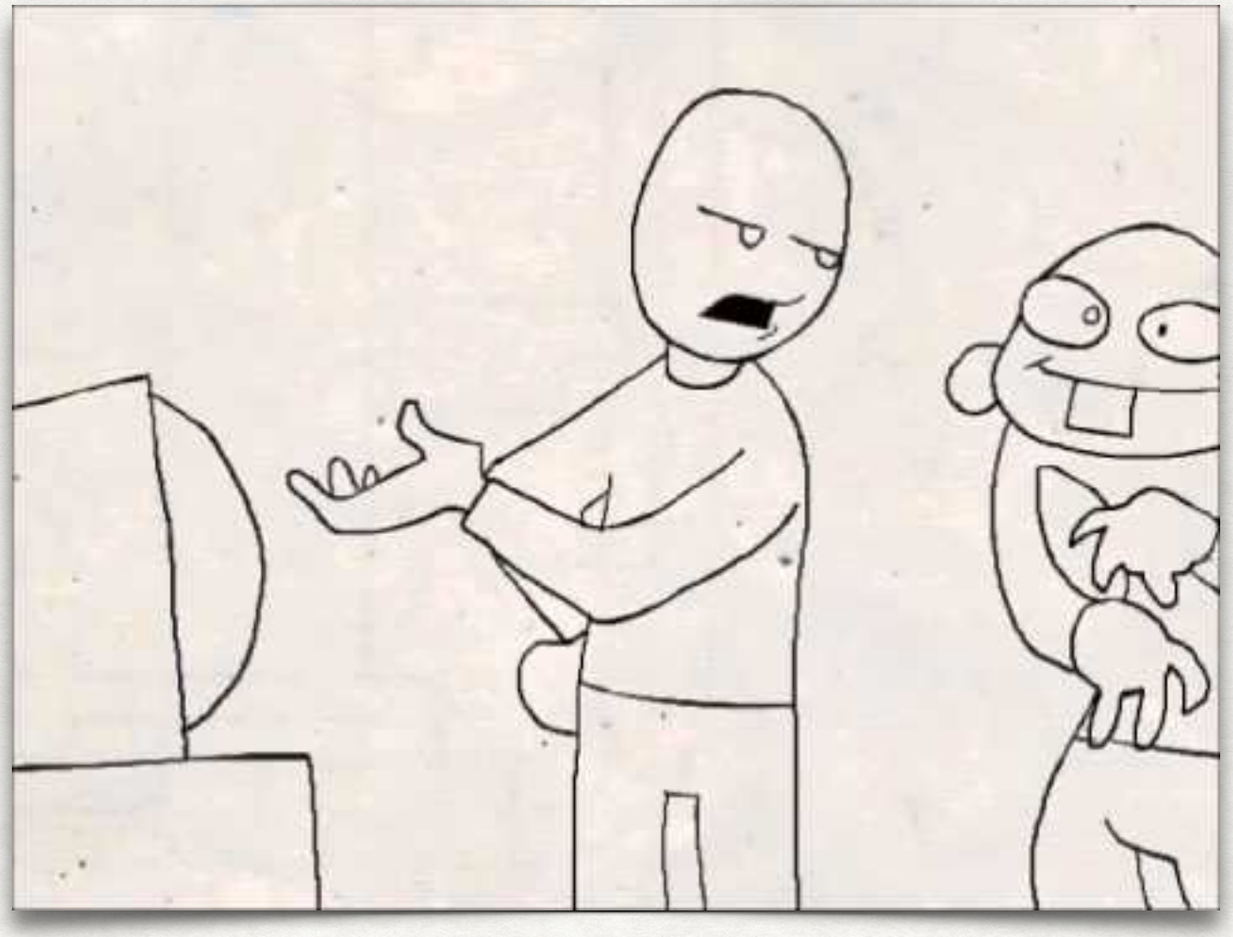
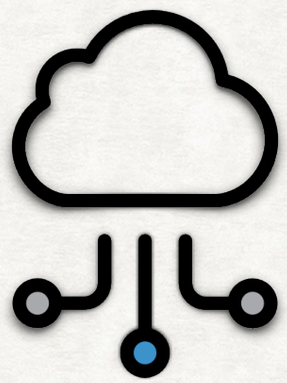
ORGANIZAÇÃO DE CÓDIGO



Aceitação:
O seu time tem que adotar, tem que gostar,
tem que querer expandir!



Networking

REACT-NATIVE

BASICS: NETWORK

```
function getMoviesFromApiAsync() {
  return fetch('https://facebook.github.io/react-native/movies.json')
    .then((response) => response.json())
    .then((responseJson) => {
      return responseJson.movies;
    })
    .catch((error) => {
      console.error(error);
    });
}
```

https://facebook.github.io/react-native/docs/network.html

REACT-NATIVE

BASICS: NETWORK

```
  async function getMoviesFromApi() {
    try {
      let response = await fetch('https://facebook.github.io/react-
native/movies.json');
      let responseJson = await response.json();
      return responseJson.movies;
    } catch(error) {
      console.error(error);
    }
  }
```

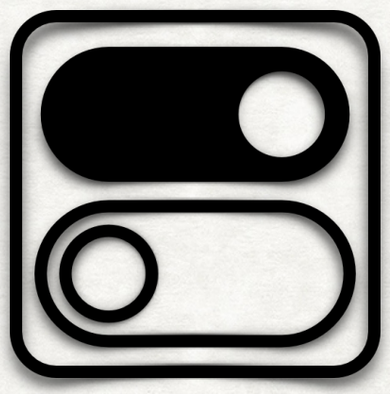
https://facebook.github.io/react-native/docs/network.html

REACT-NATIVE

QUEST: NETWORK

Loader → Fetch → Display

https://facebook.github.io/react-native/docs/network.html



Código por Plataforma

REACT-NATIVE

BASICS: CÓDIGO POR PLATAFORMA

REACT-NATIVE

BASICS: CÓDIGO POR PLATAFORMA

```
import { Platform, StyleSheet } from 'react-native';

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

REACT-NATIVE

BASICS: CÓDIGO POR PLATAFORMA

```
const Component = Platform.select({
  ios: () => require('ComponentIOS'),
  android: () => require('ComponentAndroid'),
})();

<Component />;
```

REACT-NATIVE

BASICS: CÓDIGO POR PLATAFORMA

For example, say you have the following files in your project:

```
BigButton.ios.js
BigButton.android.js
```

You can then require the component as follows:

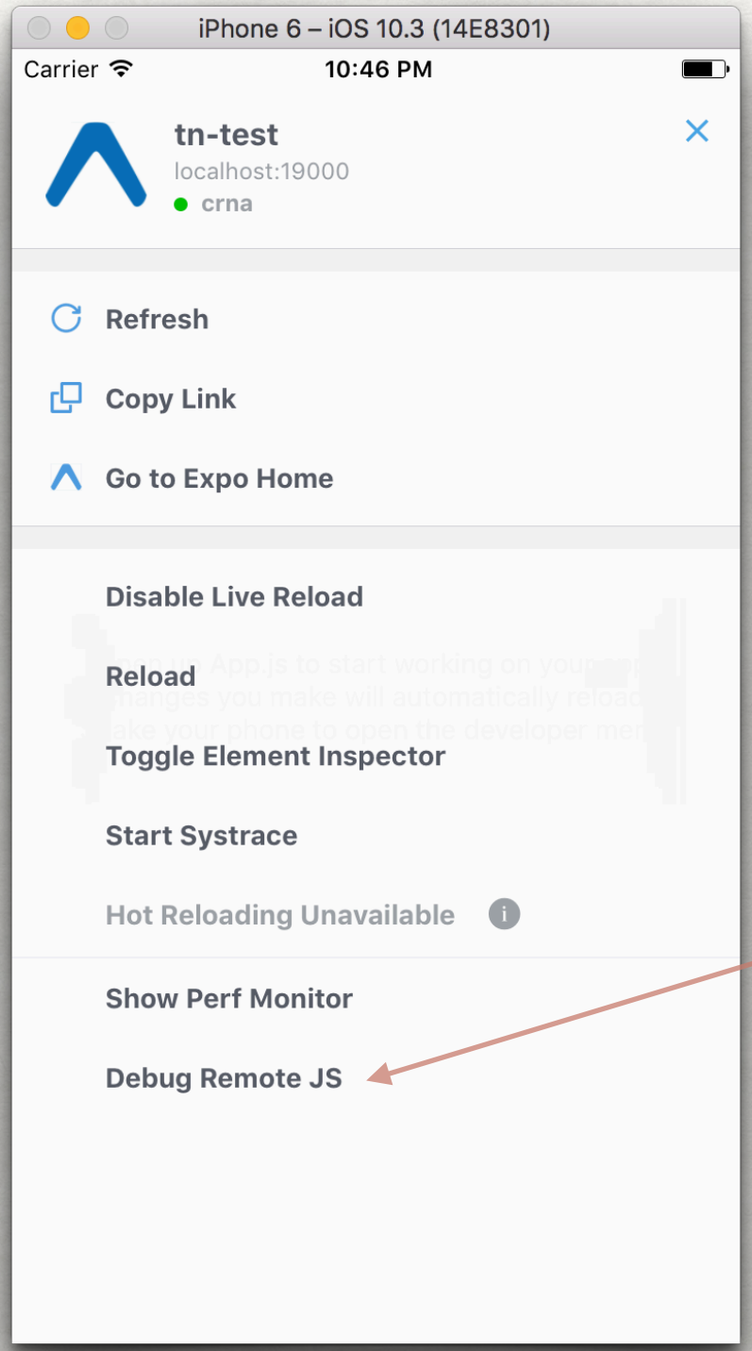
```
const BigButton = require('./BigButton');
```

React Native will automatically pick up the right file based on the running platform.

Debug and Error Handling

REACT-NATIVE

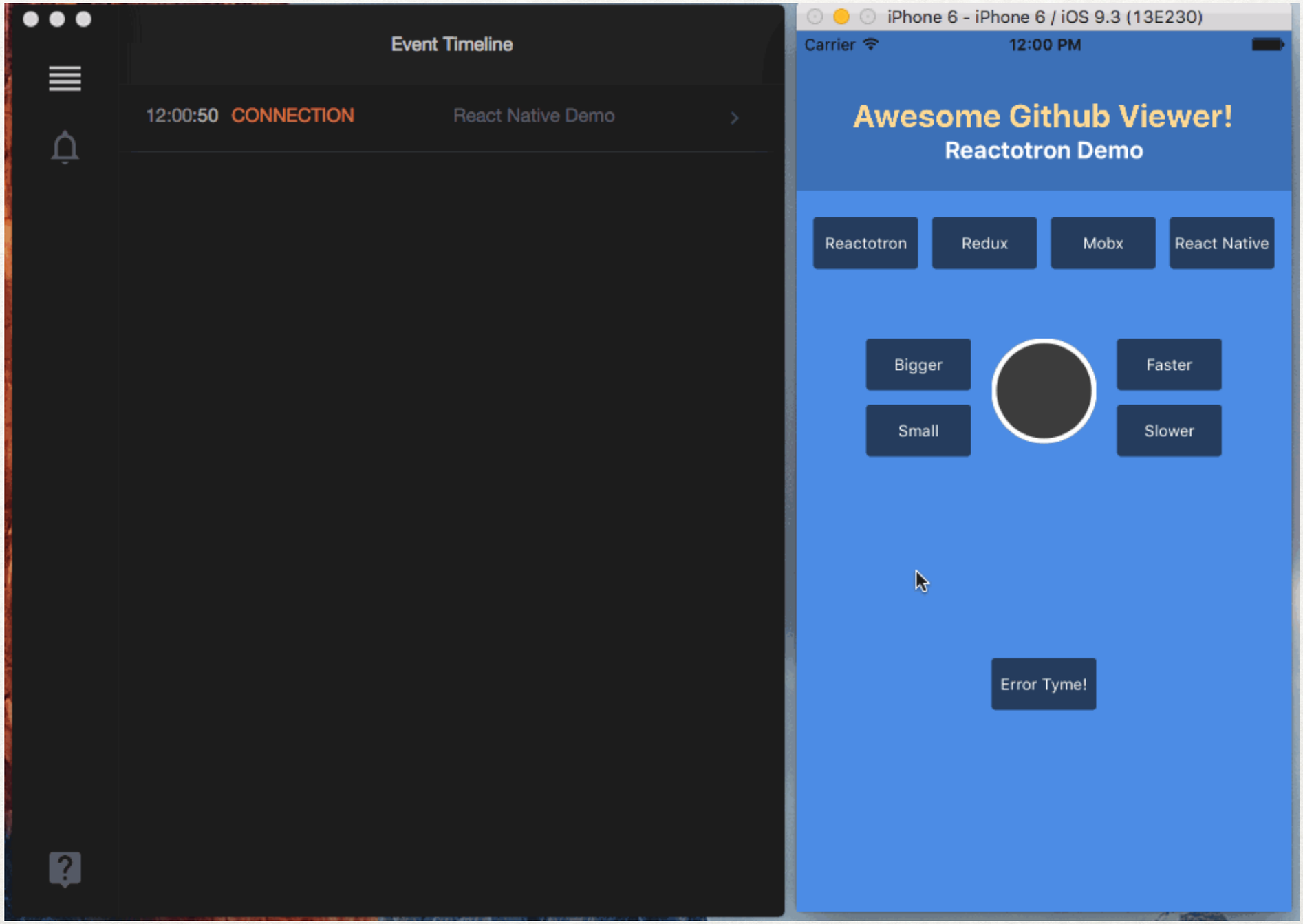
DEBUG AND ERROR HANDLING



REACT-NATIVE

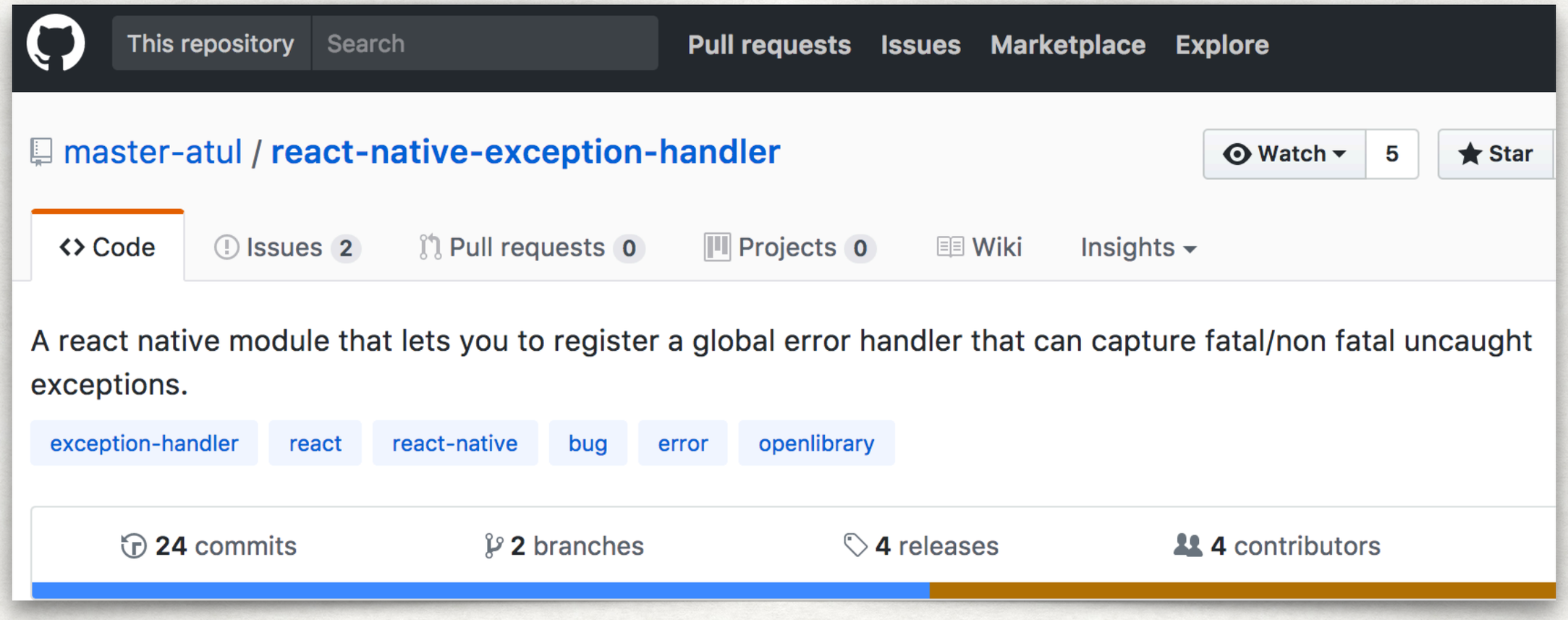
DEBUG AND ERROR HANDLING

Reactotron



REACT-NATIVE

DEBUG AND ERROR HANDLING



https://github.com/master-atul/react-native-exception-handler

Animations

REACT-NATIVE

INICIANDO

https://medium.com/@Jpoliachik/react-native-s-layoutanimation-is-awesome-4a4d317afd3e