Campus: POLO SAGUAÇU - JOINVILLE - SC

Curso: DESENVOLVIMENTO FULL STACK

Disciplina: Vamos criar um App!

Turma: 9001

Semestre: 2° Semestre (2024)

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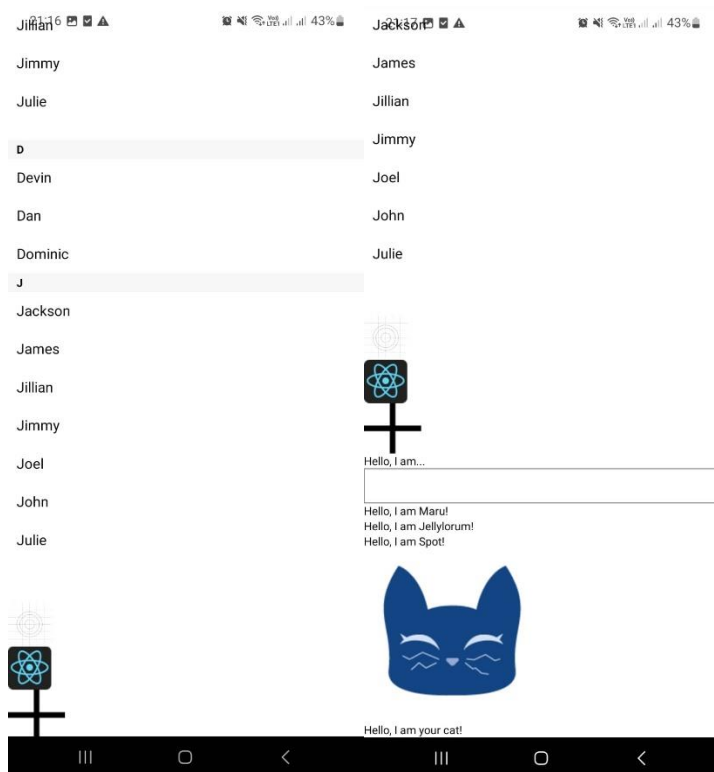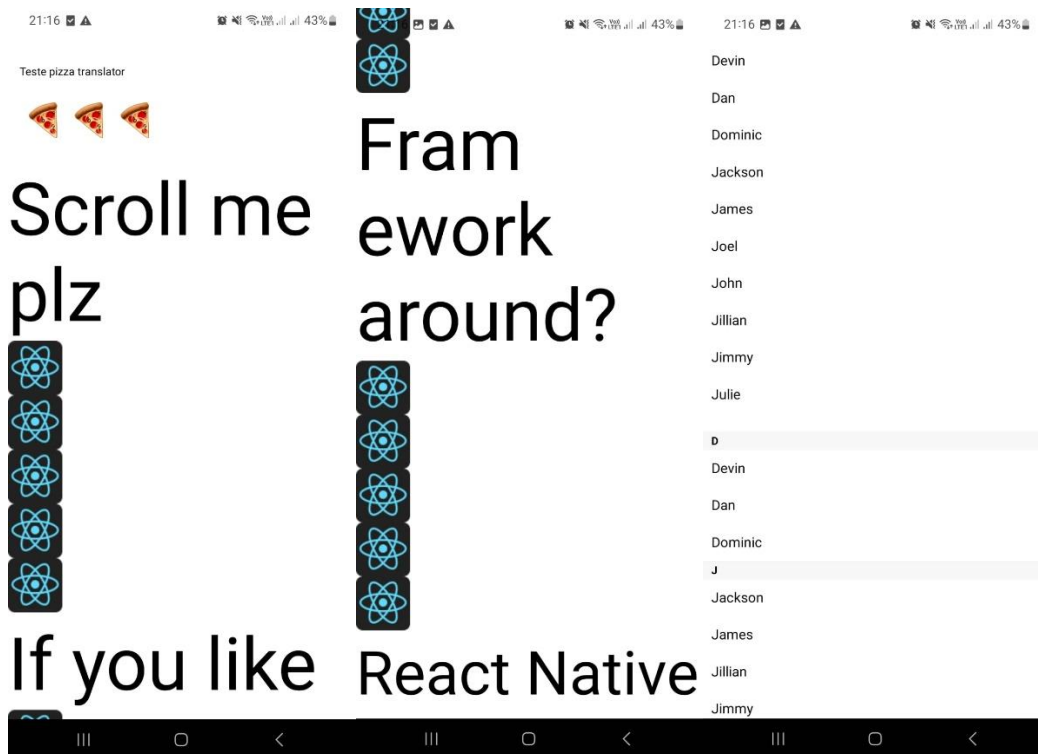**Link: https://github.com/JedersonBorges/missao-pratica-vamos-criar-um-app**

Vamos criar um App!

Objetivos da prática

1. Configurar o ambiente de desenvolvimento React Native.
2. Implementar a funcionalidade d entrada de texto em um componente React Native.
3. Implementar um componente de Lista Dinâmica (ScrowView)
4. Implementar componentes React Native para exibir informações de forma dinâmica.
5. Empregar elementos visuais em um aplicativo React Native.

Resultado das micro atividades e da missão prática:

Teste pizza translator

🍕 🍕 🍕

Scroll me plz

If you like

Fram ework around?

React Native

Devin
Dan
Dominic
Jackson
James
Joel
John
Jillian
Jimmy
Julie

D
Devin
Dan
Dominic
J
Jackson
James
Jillian
Jimmy

Jillian
Jimmy
Julie

D
Devin
Dan
Dominic
J
Jackson
James
Jillian
Jimmy
Joel
John
Julie

Jackson
James
Jillian
Jimmy
Joel
John
Julie

Hello, I am...

Hello, I am Maru!
Hello, I am Jellylorum!
Hello, I am Spot!

Hello, I am your cat!

Códigos utilizados:

```js
JS App.js > ...
 1    import React from 'react';
 2    import { VirtualizedList, Text, View } from 'react-native';
 3    import PizzaTranslator from './pizzaTranslator';
 4    import ScrollViewExample from './ScrollView';
 5    import FlatListBasics from './FlatListBasics';
 6    import SectionListBasics from './SectionListBasics';
 7    import DisplayAnImage from './DisplayAnImage';
 8    import Cat from './Cat';
 9    import Cafe from './Cafe';
10    import CatApp from './CatApp';
11
12    const App = () => {
13
14      const data = [
15        { key: 'Pizza Translator' },
16        { key: 'ScrollView Example' },
17        { key: 'FlatList Basics' },
18        { key: 'SectionList Basics' },
19        { key: 'Display An Image' },
20        { key: 'Cat' },
21        { key: 'Cafe' },
22        { key: 'CatApp' },
23      ];
24
25      return (
26        <VirtualizedList
27          data={data}
28          renderItem={({ item }) => {
29            switch (item.key) {
30              case 'Pizza Translator':
31                return <PizzaTranslator />;
32              case 'ScrollView Example':
33                return <ScrollViewExample />;
34              case 'FlatList Basics':
35                return <FlatListBasics />;
36              case 'SectionList Basics':
37                return <SectionListBasics />;
38              case 'Display An Image':
39                return <DisplayAnImage />;
40              case 'Cat':
41                return <Cat />;
42              case 'Cafe':
43                return <Cafe />;
44              case 'CatApp':
45                return <CatApp />;
46              default:
47                return null;
48            }
49          }}
50          keyExtractor={(item) => item.key}
51          getItemCount={() => data.length}
52          getItem={(data, index) => data[index]}
53        />
54      );
55    };
56
57    export default App;
```

```js
JS pizzaTranslator.js > [∅] default
 1    import React, {useState} from 'react';
 2    import {Text, TextInput, View} from 'react-native';
 3
 4
 5    const PizzaTranslator = () => {
 6      const [text, setText] = useState('');
 7      return (
 8        <View style={{padding: 10, marginTop: 50}}>
 9
10          <TextInput
11            style={{height: 40}}
12            placeholder="Type here to translate!"
13            onChangeText={newText => setText(newText)}
14            defaultValue={text}
15          />
16
17          <Text style={{padding: 10, fontSize: 42}}>
18            {text
19              .split(' ')
20              .map(word => word && '🍕')
21              .join(' ')}
22          </Text>
23
24        </View>
25      );
26    };
27
28    export default PizzaTranslator;
```

```javascript
1   import React from 'react';
2   import {Image, ScrollView, Text} from 'react-native';
3
4
5   const logo = {
6
7     uri: 'https://reactnative.dev/img/tiny_logo.png',
8     width: 64,
9     height: 64,
10
11  };
12
13
14
15  const App = () => (
16
17    <ScrollView>
18
19      <Text style={{fontSize: 96}}>Scroll me plz</Text>
20      <Image source={logo} />
21      <Image source={logo} />
22      <Image source={logo} />
23      <Image source={logo} />
24      <Image source={logo} />
25      <Text style={{fontSize: 96}}>If you like</Text>
26      <Image source={logo} />
27      <Image source={logo} />
28      <Image source={logo} />
29      <Image source={logo} />
30      <Image source={logo} />
31      <Text style={{fontSize: 96}}>Scrolling down</Text>
32      <Image source={logo} />
33      <Image source={logo} />
34      <Image source={logo} />
35      <Image source={logo} />
36      <Image source={logo} />
37      <Text style={{fontSize: 96}}>What's the best</Text>
38      <Image source={logo} />
39      <Image source={logo} />
40      <Image source={logo} />
41      <Image source={logo} />
42      <Image source={logo} />
43      <Text style={{fontSize: 96}}>Framework around?</Text>
44      <Image source={logo} />
45      <Image source={logo} />
46      <Image source={logo} />
47      <Image source={logo} />
48      <Image source={logo} />
49      <Text style={{fontSize: 80}}>React Native</Text>
50
51    </ScrollView>
52
53  );
54
55
56
57  export default App;
```

```javascript
1   import React from 'react';
2   import {FlatList, StyleSheet, Text, View} from 'react-native';
3
4   const styles = StyleSheet.create({
5
6     container: {
7       flex: 1,
8       paddingTop: 22,
9     },
10
11    item: {
12      padding: 10,
13      fontSize: 18,
14      height: 44,
15    },
16
17  });
18
19
20
21  const FlatListBasics = () => {
22
23    return (
24
25      <View style={styles.container}>
26        <FlatList
27          data={[
28            {key: 'Devin'},
29            {key: 'Dan'},
30            {key: 'Dominic'},
31            {key: 'Jackson'},
32            {key: 'James'},
33            {key: 'Joel'},
34            {key: 'John'},
35            {key: 'Jillian'},
36            {key: 'Jimmy'},
37            {key: 'Julie'},
38          ]}
39
40          renderItem={({item}) => <Text style={styles.item}>{item.key}</Text>}
41
42        />
43
44      </View>
45    );
46  };
47
48  export default FlatListBasics;
```

```js
JS SectionListBasics.js > [∅] default
 1   import React from 'react';
 2   import {SectionList, StyleSheet, Text, View} from 'react-native';
 3
 4   const styles = StyleSheet.create({
 5
 6     container: {
 7       flex: 1,
 8       paddingTop: 22,
 9     },
10
11     sectionHeader: {
12       paddingTop: 2,
13       paddingLeft: 10,
14       paddingRight: 10,
15       paddingBottom: 2,
16       fontSize: 14,
17       fontWeight: 'bold',
18       backgroundColor: 'rgba(247,247,247,1.0)',
19     },
20
21     item: {
22       padding: 10,
23       fontSize: 18,
24       height: 44,
25     },
26
27   });
28
29
30
31   const SectionListBasics = () => {
32
33     return (
34
35       <View style={styles.container}>
36         <SectionList
37           sections={[
38             {title: 'D', data: ['Devin', 'Dan', 'Dominic']},
39             {
40               title: 'J',
41               data: [
42                 'Jackson',
43                 'James',
44                 'Jillian',
45                 'Jimmy',
46                 'Joel',
47                 'John',
48                 'Julie',
49               ],
50             },
51           ]}
52
53           renderItem={({item}) => <Text style={styles.item}>{item}</Text>}
54           renderSectionHeader={({section}) => (
55
56             <Text style={styles.sectionHeader}>{section.title}</Text>
57
58           )}
59
60           keyExtractor={item => `basicListEntry-${item}`}
61         />
62       </View>
63     );
64
65   };
66
67   export default SectionListBasics;
```

```
JS DisplayAnImage.js > [@] default
 1   import React from 'react';
 2
 3   import {View, Image, StyleSheet} from 'react-native';
 4
 5   const styles = StyleSheet.create({
 6     container: {
 7       paddingTop: 50,
 8     },
 9
10     tinyLogo: {
11       width: 50,
12       height: 50,
13     },
14
15     logo: {
16       width: 66,
17       height: 58,
18     },
19
20   });
21
22
23
24   const DisplayAnImage = () => {
25
26     return (
27
28       <View style={styles.container}>
29         <Image
30           style={styles.tinyLogo}
31           source={require('./assets/splash-icon.png')}
32         />
33
34         <Image
35           style={styles.tinyLogo}
36           source={{
37
38             uri: 'https://reactnative.dev/img/tiny_logo.png',
39
40           }}
41
42         />
43
44         <Image
45           style={styles.logo}
46           source={{
47
48             uri: 'data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAADMAAAAzCAYAAAA6oTAqAAAAEXRFWHRTb2Z0d2FyZQBwbmdjcnVzaEB1SfMAAABQSURBVGje7dSxCQBACARB+2/
49             ab8BEeQNhFi6WSYzYLYudDQYGBgYGBgYGBgYGBgZmcvDqYGBgmhivGQYGBgYGBgYGBgYGBgbmQw+P/eMrC5UTVAAAAABJRU5ErkJggg==',
50
51           }}
52
53       </View>
54     );
55
56   };
57
58   export default DisplayAnImage;
```

```js
JS Cat.js > ...
  1   import React from 'react';
  2   import { Text, TextInput, View } from 'react-native';
  3
  4   const Cat = () => {
  5     return (
  6       <View>
  7         <Text>Hello, I am...</Text>
  8         <TextInput
  9           style={{
 10             height: 40,
 11             borderColor: 'gray',
 12             borderWidth: 1,
 13           }}
 14           defaultValue="Name me!"
 15         />
 16       </View>
 17     );
 18   };
 19
 20   export default Cat;
 21   |
```

```js
JS Cafe.js > ...
  1    import React from 'react';
  2    import { Text, View } from 'react-native';
  3
  4    const Cat = (props) => {
  5      return (
  6        <View>
  7          <Text>Hello, I am {props.name}!</Text>
  8        </View>
  9      );
 10    };
 11
 12    const Cafe = () => {
 13      return (
 14        <View>
 15          <Cat name="Maru" />
 16          <Cat name="Jellylorum" />
 17          <Cat name="Spot" />
 18        </View>
 19      );
 20    };
 21
 22    export default Cafe;
 23
```

```js
JS CatApp.js > ...
  1    import React from 'react';
  2    import { Text, View, Image } from 'react-native';
  3
  4    const CatApp = () => {
  5      return (
  6        <View>
  7          <Image
  8            source={{
  9              uri: 'https://reactnative.dev/docs/assets/p_cat1.png',
 10            }}
 11            style={{ width: 200, height: 200 }}
 12          />
 13          <Text>Hello, I am your cat!</Text>
 14        </View>
 15      );
 16    };
 17
 18    export default CatApp;
 19
```