Estácio - Unidade São pedro
RJ 140 Km 2, 512 loja 1, São Pedro da Aldeia - RJ, 28941-182

Desenvolvimento Full Stack
Classe: Missão Prática | Nível 1 | Mundo 4
3º Semestre
Marvin de Almeida Costa

Título da Prática: RPG0023 - Vamos criar um App!

Objetivos da prática:

- Configurar o ambiente de desenvolvimento React Native;
- Implementar a funcionalidade de entrada de texto em um componente React Native;I
- mplementar um Componente de Lista Dinâmica (ScrollView);
- Implementar componentes React Native para exibir informações de forma dinâmica
- em listas;
- Empregar elementos visuais em um aplicativo React Native.

Todos os códigos solicitados neste roteiro de aula:

App.tsx

```
import React, { useState } from 'react';
import {
  SafeAreaView,
  StatusBar,
  StyleSheet,
  Text,
  TouchableOpacity,
  useColorScheme,
  View,
```

```jsx
} from 'react-native';

import {
  Colors,
} from 'react-native/Libraries/NewAppScreen';
//import PizzaTranslator from './src/components/PizzaTranslator';
//import Lista from './src/components/Lista';
//import FlatListBasics from './src/components/FlatListBasics';
//import SectionListBasics from './src/components/SectionListBasics';

import SupplierList from './src/screens/SupplierList';
import RegisterSupplier from './src/screens/RegisterSupplier';

const AppBar = () => {
  return (
    <View style={styles.appBar}>
      <Text style={styles.title}>Meeting app Marvin</Text>
    </View>
  );
};

function App(): React.JSX.Element {
  const isDarkMode = useColorScheme() === 'dark';
  const [objs, setObjs] = useState([{
    name: 'Fornecedor 1',
    address: 'São Pedro da Aldeia',
    email: 'marvin@gmail.com',
    phone: '+351 964 488 476',
    products: 'produto 1',
    image:
'https://dynamic-media-cdn.tripadvisor.com/media/photo-o/10/b2/a3/c4/naco-a-muralha.jpg?w=9
00&h=500&s=1',
  }]);
  const [modalVisible, setModalVisible] = useState(false);


  const backgroundStyle = {
    backgroundColor: isDarkMode ? Colors.darker : Colors.lighter,
  };

  const handleAddSupplier = () => {
    setModalVisible(true)
  }
```

```jsx
  return (
    <SafeAreaView style={backgroundStyle}>
      <StatusBar
        barStyle={isDarkMode ? 'light-content' : 'dark-content'}
        backgroundColor={backgroundStyle.backgroundColor}
      />
      <AppBar />
      <View
        style={{
          backgroundColor: isDarkMode ? Colors.black : Colors.white,
        }}>
        <TouchableOpacity style={styles.button} onPress={handleAddSupplier}>
          <Text style={styles.buttonText}>Adicionar Fornecedor</Text>
        </TouchableOpacity>
        <SupplierList objs={objs} />
        <RegisterSupplier
          modalVisible={modalVisible}
          setModalVisible={setModalVisible}
          objs={objs}
          setObjs={setObjs}
        />
      </View>
    </SafeAreaView>
  );
}

const styles = StyleSheet.create({
  appBar: {
    height: 60,
    justifyContent: 'center',
    alignItems: 'center',
    backgroundColor: '#6200EE',
  },
  title: {
    color: '#FFFFFF',
    fontSize: 20,
    fontWeight: 'bold',
  },
  button: {
    backgroundColor: '#007AFF',
    paddingVertical: 12,
    paddingHorizontal: 32,
    borderRadius: 10,
    marginTop: 20,
```

```
      alignItems: 'center',
      marginBottom: 20
  },
  buttonText: {
    color: '#FFFFFF',
    fontSize: 16,
    fontWeight: 'bold',
  },
});

export default App;
```

SupplierList.jsx

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

const Card = ({ name, address, email, phone, products, image }) => {
  return (
    <View style={styles.card}>
      <Image source={{ uri: image }} style={styles.image} />
      <View style={styles.details}>
        <Text style={styles.name}>Nome: {name}</Text>
        <Text style={styles.address}>Endereço: {address}</Text>
        <Text style={styles.contactText}>Contato</Text>
        <Text style={styles.contact}>E-mail: {email}</Text>
        <Text style={styles.contact}>Telefone: {phone}</Text>
        <Text style={styles.productsTitle}>Produto selecionado:</Text>
        <Text style={styles.product}>
          - {products}
        </Text>
      </View>
    </View>
  );
};

const SupplierList = ({ objs }) => {

  return (
    <ScrollView>
      <View style={styles.container}>
        {
          objs.map((data, index) => (
            <Card key={index} {...data} />
```

```
        ))
      }
    </View>
  </ScrollView>
  );
};

const styles = StyleSheet.create({
  container: {
    flex: 1,
    justifyContent: 'center',
    alignItems: 'center',
    padding: 16,
    backgroundColor: '#f5f5f5',
  },
  card: {
    width: '90%',
    backgroundColor: '#fff',
    borderRadius: 10,
    elevation: 3, // For Android shadow
    shadowColor: '#000', // For iOS shadow
    shadowOffset: { width: 0, height: 2 },
    shadowOpacity: 0.2,
    shadowRadius: 2,
    padding: 16,
    marginBottom: 16,
  },
  image: {
    width: '100%',
    height: 150,
    borderRadius: 10,
    marginBottom: 10,
  },
  details: {
    padding: 10,
  },
  name: {
    fontSize: 18,
    fontWeight: 'bold',
    marginBottom: 5,
  },
  address: {
    fontSize: 14,
    marginBottom: 5,
```

```
    },
    contactText: {
      fontSize: 15,
      marginBottom: 5,
      fontWeight: 'bold'
    },
    contact: {
      fontSize: 14,
      marginBottom: 5,
    },
    productsTitle: {
      fontSize: 16,
      fontWeight: 'bold',
      marginTop: 10,
    },
    product: {
      fontSize: 14,
      marginLeft: 10,
    },
});

export default SupplierList;
```

RegisterSupplier.jsx

```
import React, { useState, useEffect } from 'react';
import { View, Text, Image, StyleSheet, TouchableOpacity, Modal, TextInput, Alert } from
'react-native';
import { Picker } from '@react-native-picker/picker';

const RegisterSupplier = ({ modalVisible, setModalVisible, objs, setObjs }) => {
  const [name, setName] = useState('');
  const [address, setAddress] = useState('');
  const [email, setEmail] = useState('');
  const [phone, setPhone] = useState('');
  const [selectedProduct, setSelectedProduct] = useState('');
  const [image, setImage] =
useState('https://dynamic-media-cdn.tripadvisor.com/media/photo-o/10/b2/a3/c4/naco-a-muralh
a.jpg?w=900&h=500&s=1');

  const productsList = ['Produto 1', 'Produto 2', 'Produto 3', 'Produto A', 'Produto B'];
  const imageList = [
```

```
'https://dynamic-media-cdn.tripadvisor.com/media/photo-o/10/b2/a3/c4/naco-a-muralha.jpg?w=9
00&h=500&s=1',

'https://media.istockphoto.com/id/104731717/photo/luxury-resort.jpg?s=612x612&w=0&k=20&c
=cODMSPbYyrn1FHake1xYz9M8r15iOfGz9Aosy9Db7mI=',
  'https://thumbs.dreamstime.com/b/sample-modern-room-luxury-hotel-161394634.jpg',
  'https://img.boatmaginternational.com/2019/08/Beneteau_Gran-Turismo-32_1-938x535.jpg',
];

const handleAddSupplier = () => {
  if (
    !name?.length ||
    !address?.length ||
    !email?.length ||
    !phone?.length
  ) {
    return
  }

  Alert.alert("Fornecedor adicionado", `Nome: ${name}\nEndereço: ${address}\nEmail:
${email}\nTelefono: ${phone}\nProduto: ${selectedProduct}`);

  setObjs(
    [
      ...objs,
      {
        name: name,
        address: address,
        email: email,
        phone: phone,
        products: selectedProduct,
        image: image,
      }
    ]
  )
  setModalVisible(false);
};

useEffect(() => {
  setName('')
  setAddress('')
  setEmail('')
  setPhone('')
```

```jsx
    setSelectedProduct('Product 1')

setImage('https://dynamic-media-cdn.tripadvisor.com/media/photo-o/10/b2/a3/c4/naco-a-muralh
a.jpg?w=900&h=500&s=1')
  }, [modalVisible]);

  return (
    <Modal
      animationType="slide"
      transparent={true}
      visible={modalVisible}
      onRequestClose={() => setModalVisible(false)}
    >
      <View style={styles.modalView}>
        <Text style={styles.modalTitle}>Adicionar Fornecedor</Text>
        <TextInput
          style={styles.input}
          placeholder="Nome"
          value={name}
          onChangeText={setName}
        />
        <TextInput
          style={styles.input}
          placeholder="Endereço"
          value={address}
          onChangeText={setAddress}
        />
        <TextInput
          style={styles.input}
          placeholder="E-mail"
          value={email}
          onChangeText={setEmail}
          keyboardType="email-address"
        />
        <TextInput
          style={styles.input}
          placeholder="Telefone"
          value={phone}
          onChangeText={setPhone}
          keyboardType="phone-pad"
        />
        <Text style={styles.selectLabel}>Selecione o produto:</Text>
        <Picker
          selectedValue={selectedProduct}
```

```jsx
          style={styles.picker}
          onValueChange={(itemValue) => {
            setSelectedProduct(itemValue);
          }}
          multiple={true}
        >
          {productsList.map((product, index) => (
            <Picker.Item key={index} label={product} value={product} />
          ))}
        </Picker>
        <Text style={styles.selectLabel}>Selecione o imagem:</Text>
        <View style={styles.imageContainer}>
          {imageList.map((imgExample, index) => (
            <TouchableOpacity
              style={styles.imageTouch}
              onPress={() => setImage(imgExample)}>
              <Image
                key={index}
                source={{ uri: imgExample }}
                style={
                  image === imgExample ? styles.imageSelected : styles.image
                }
              />
            </TouchableOpacity>
          ))}
        </View>
        <View style={styles.buttonContainer}>
          <TouchableOpacity style={styles.closeButton} onPress={() => setModalVisible(false)}>
            <Text style={styles.closeButtonText}>Fechar</Text>
          </TouchableOpacity>
          <TouchableOpacity style={styles.submitButton} onPress={handleAddSupplier}>
            <Text style={styles.submitButtonText}>Registro</Text>
          </TouchableOpacity>
        </View>
      </View>
    </Modal>
  );
};

export default RegisterSupplier;

const styles = StyleSheet.create({
  button: {
    backgroundColor: '#007AFF',
```

```
    paddingVertical: 12,
    paddingHorizontal: 32,
    borderRadius: 10,
    marginTop: 20,
    alignItems: 'center',
  },
  buttonText: {
    color: '#FFFFFF',
    fontSize: 16,
    fontWeight: 'bold',
  },
  modalView: {
    margin: 20,
    backgroundColor: 'white',
    borderRadius: 20,
    padding: 35,
    alignItems: 'left',
    shadowColor: '#000',
    shadowOffset: {
      width: 0,
      height: 2,
    },
    shadowOpacity: 0.25,
    shadowRadius: 4,
    elevation: 5,
  },
  modalTitle: {
    fontSize: 20,
    fontWeight: 'bold',
    marginBottom: 15,
  },
  input: {
    height: 40,
    borderColor: '#ccc',
    borderWidth: 1,
    borderRadius: 5,
    paddingHorizontal: 10,
    marginBottom: 15,
    width: '100%',
  },
  selectLabel: {
    fontSize: 16,
    marginBottom: 5,
    textAlign: 'left'
```

```
  },
  picker: {
    height: 50,
    width: '100%',
    marginBottom: 15,
  },
  submitButton: {
    backgroundColor: '#28a745',
    padding: 10,
    borderRadius: 5,
    marginLeft: 15,
  },
  submitButtonText: {
    color: '#FFFFFF',
    fontWeight: 'bold',
  },
  closeButton: {
    backgroundColor: '#dc3545',
    padding: 10,
    borderRadius: 5,
    marginRight: 15,
  },
  closeButtonText: {
    color: '#FFFFFF',
    fontWeight: 'bold',
  },
  buttonContainer: {
    flexDirection: 'row',
    justifyContent: 'center',
    alignItems: 'center',
    padding: 10,
    flexWrap: 'wrap'
  },
  imageContainer: {
    flexDirection: 'row',
    justifyContent: 'space-between',
    alignItems: 'center',
    padding: 10,
    flexWrap: 'wrap'
  },
  imageTouch: {
    width: '48%',
    aspectRatio: 1,
    marginBottom: 10,
```
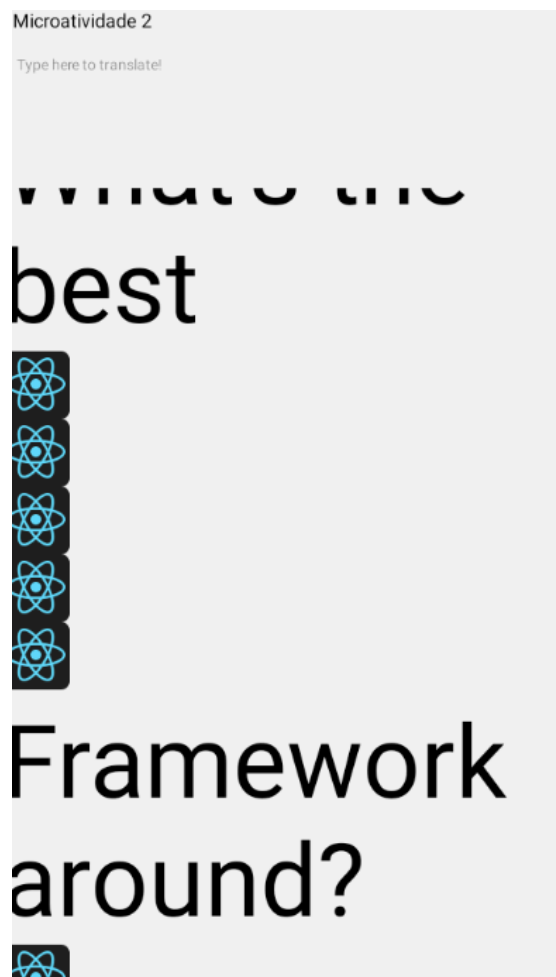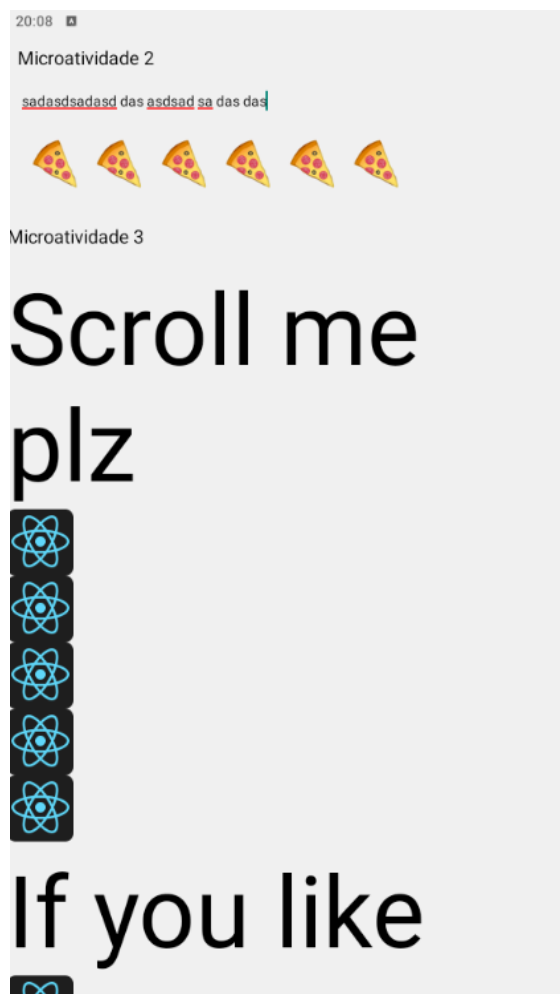
```
  },
  image: {
    width: '100%',
    aspectRatio: 1,
    borderRadius: 10,
  },
  imageSelected: {
    width: '100%',
    aspectRatio: 1,
    borderRadius: 10,
    borderWidth: 2,
    borderColor: '#007AFF',
  },
});
```

Os resultados da execução dos códigos também devem ser apresentados;

Microatividade

O aplicativo final

Meeting app Marvin

Adicionar Fornecedor

Nome: Fornecedor 1
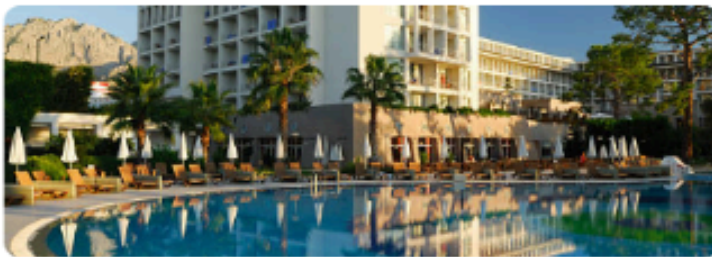
Endereço: São Pedro da Aldeia

Contato

E-mail: marvin@gmail.com

Telefone: +351 964 488 476

Produto selecionado:
 - produto 1

Nome: dsa

Endereço: dasd

Contato

E-mail: asdas

Telefone: sad

Produto selecionado:
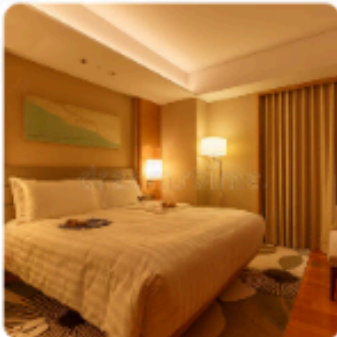 - sad

Adicionar Fornecedor

fornecedor 12

aldeida

emailmarvin@gmail.com

213214512321

Selecione o produto:

Produto 2 ▼

Selecione o imagem:

Fechar **Registro**

Meeting app Marvin

Adicionar Fornecedor

- sad

Nome: asdas

Endereço: d

Contato

E-mail: asd

Telefone: asd

Produto selecionado:

 - asd

Nome: asd

Endereço: asdas

Contato

E-mail: d

Telefone: asd

Meeting app Marvin

Adicionar Fornecedor

Fornecedor adicionado

Nome: forne
Endereço: aldeida
Email: marvin@gmail.com
Telefono: 12321
Produto: Product 1

OK

Nome: dsa
Endereço: dasd
Contato
E-mail: asdas
Telefone: sad

Produto selecionado:
 - sad