



Universidade Estácio de Sá

- DESENVOLVIMENTO FULL STACK-
 - Disciplina: RPG0023 - Vamos criar um App.
 - Semestre Letivo: 2024.1
 - Repositorio Git: <https://github.com/Gregdev22/Missao-1-Mundo-4>
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- [EMERSON GREGORIO ALVES](#) - MATRICULA: 2022.0908.4986
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Missão Prática | Nível 1 | Mundo 4

Adicionando interatividade com o React Native.

Microatividade 1: Configurar o ambiente de desenvolvimento React Native

Microatividade 2: Implementar a funcionalidade de entrada de texto em um componente React Native

Microatividade 3: Implementar um Componente de Lista Dinâmica (ScrollView)

Microatividade 4: Criando o visualizador de listas

Microatividade 5: Empregar imagens, seja para exibir gráficos, ícones, fotos ou outros elementos visuais em um aplicativo React Native

Objetivos da Prática

- Configurar o ambiente de desenvolvimento React Native.
 - Implementar a funcionalidade de entrada de texto em um componente React Native.
 - Implementar 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.
-

Códigos

- App.js

```
import logo from './logo.svg';
import './App.css';
import CatApp from './CatApp';
import Cadastro from './Cadastro';
import Lista from './Lista';
import Inicial from './Inicial';
import { NavigationContainer, DarkTheme } from '@react-navigation/native';
import { createStackNavigator } from '@react-navigation/stack';

const Stack = createStackNavigator();

function App() {
  return (
    //<Cat/>
    //<CatApp/>
    <NavigationContainer theme={DarkTheme}>
      <Stack.Navigator initialRouteName="Inicial">
        <Stack.Screen name="Home" component={Inicial} />
        <Stack.Screen name="Cadastro" component={Cadastro} />
        <Stack.Screen name="Lista" component={Lista}/>
      </Stack.Navigator>
    </NavigationContainer>
  );
}

export default App;
```

```

export default App;

• Cadastro.jsx

import React, { useState } from 'react';
import { Text, Button, Image, TextInput, View, Platform, StyleSheet, Alert } from 'react-native';
import AsyncStorage from '@react-native-async-storage/async-storage';
import { createElement } from 'react';

const Cadastro = () => {

  const [alerta, setAlerta] = useState('');
  const [fornecedor, setFornecedor] = useState({
    nome: '',
    endereco: '',
    contato: '',
    categorias: ''
  });
  const [image, setImage] = useState(null);

  const handleInputChange = (field, value) => {
    setFornecedor({
      ...fornecedor,
      [field]: value,
    });
  };

  const selecionaImagem = Platform.OS === 'web' ? (event) => {
    setImage(URL.createObjectURL(event.target.files[0]));
  } : () => {
    ImagePicker.openPicker({
      width: 300,
      height: 400,
      cropping: true
    }).then(image => {
      setImage(image.path);
    });
  };

  const handleSubmit = async () => {
    try {
      const existingSuppliers = await AsyncStorage.getItem('@fornecedor');
      let newSuppliers = JSON.parse(existingSuppliers);
      if (!newSuppliers || !Array.isArray(newSuppliers)) {
        newSuppliers = [];
      }
      newSuppliers.push({ ...fornecedor, image });
      await AsyncStorage.setItem('@fornecedor',
        JSON.stringify(newSuppliers));
      setFornecedor({nome:'',
        endereco: '',
        contato: '',
        categorias: ''});
      setAlerta('Usuario Cadastrado! ')
    } catch (e) {

```

```

        console.log(e);
    }

};

let ImagePicker;
if (Platform.OS !== 'web') {
    ImagePicker = require('react-native-image-crop-picker').default;
}

return (
    <View style={styles.container}>
        <View>
            <Text style={styles.label}>Nome:</Text>
            <TextInput
                style={styles.input}
                value={fornecedor.nome}
                onChangeText={(value) => handleInputChange('nome', value)}
            />
        </View>
        <br />
        <View>
            <Text style={styles.label}>Endereço:</Text>
            <TextInput
                style={styles.input}
                value={fornecedor.endereco}
                onChangeText={(value) => handleInputChange('endereco', value)}
            />
        </View>
        <br />
        <View>
            <Text style={styles.label}>Contato:</Text>
            <TextInput
                style={styles.input}
                value={fornecedor.contato}
                onChangeText={(value) => handleInputChange('contato', value)}
            />
        </View>
        <br />
        <View>
            <Text style={styles.label}>Categorias:</Text>
            <TextInput
                style={styles.input}
                value={fornecedor.categorias}
                onChangeText={(value) => handleInputChange('categorias', value)}
            />
        </View>
        <br />
        {image && <Image source={{ uri: image }} style={styles.image} />}
        {Platform.OS === 'web' ? (
            <input type="file" accept="image/*" onChange={selecionaImagem} />
        ) : (
            <Button title="Selecionar Imagem" onPress={selecionaImagem} />
        )}
        <br />
        <Button title="Cadastrar" onPress={handleSubmit} />
        <Text>{alerta}</Text>
    </View>
);

```

```

};

const styles = StyleSheet.create({
  container: {
    flex: 1,
    padding: 10,
    backgroundColor: '#F5FCFF',
  },
  label: {
    width: 100,
    marginRight: 10,
    fontSize: 16,
  },
  input: {
    flex: 1,
    height: 40,
    borderColor: 'gray',
    borderWidth: 1,
    paddingLeft: 10,
  },
  image: {
    width: 20,
    height: 200,
    marginBottom: 20,
  },
});
}

export default Cadastro;

```

- Inicial.jsx

```

import React from 'react';
import { View, Button } from 'react-native';
import { useNavigation } from '@react-navigation/native';

function Inicial() {
  const navigation = useNavigation();

  return (
    <View
      style={{{
        backgroundColor: 'white',
      }}>
      <View
        style = {{{
          padding:10,
          width:300
        }}>
        <Button
          title="Cadastrar Fornecedor"
          onPress={() => navigation.navigate('Cadastro')}
        />
      </View>
      <View
        style= {{{
          padding:10,
          width:300
        }}>

```

```

        }
      >
      <Button
        title="Lista de Fornecedores"
        onPress={() => navigation.navigate('Lista')}
      />
    </View>
  </View>

);

}

export default Inicial;

```

- Lista.jsx

```

import React, { useState, useEffect } from 'react';
import { Text, View, FlatList, TextInput, Image, StyleSheet, Button } from
'react-native';
import AsyncStorage from '@react-native-async-storage/async-storage';

const Lista = () => {
  const [fornecedores, setFornecedores] = useState([]);
  const [localFornecedor, setLocalFornecedor] = useState([]);
  const [search, setSearch] = useState('');

  useEffect(() => {
    const fetchFornecedores = async () => {
      try {
        const jsonValue = await AsyncStorage.getItem('@fornecedor')
        setFornecedores(jsonValue != null ? JSON.parse(jsonValue) : []);
      } catch(e) {
        console.log(e);
      }
    }

    fetchFornecedores();
  }, []);

  useEffect(() => {
    setLocalFornecedor(
      fornecedores.filter((fornecedor) =>
        fornecedor.nome.toLowerCase().includes(search.toLowerCase())
      )
    );
  }, [search, fornecedores]);

  const deleteFornecedor = (index) => {
    const itensCopy = Array.from(fornecedores);
    itensCopy.splice(index, 1);
    setFornecedores(itensCopy);
    AsyncStorage.setItem('@fornecedor', JSON.stringify(fornecedores));
    //AsyncStorage.removeItem('@fornecedor');
  }

  const renderItem = ({ item, index }) => (
    <View style={[styles.itemContainer, {backgroundColor: index % 2 === 0 ?
      '#e0ffff' : '#778899'}]}>

```

```

        <Button
          title="Excluir"
          onPress={() => deleteFornecedor(index)}
        />
        <Text style={styles.itemText}>{item.nome}</Text>
        <Text style={styles.itemText}>{item.endereco}</Text>
        <Text style={styles.itemText}>{item.contato}</Text>
        <Text style={styles.itemText}>{item.categorias}</Text>
        <Image source={item.image ? { uri: item.image } :
          require('./logo.svg')} style={styles.image} />
      </View>
    );
  };

  return (
    <View style={styles.container}>
      <TextInput
        style={styles.input}
        value={search}
        onChangeText={setSearch}
        placeholder="Pesquisar"
      />
      <FlatList
        data={localFornecedor}
        renderItem={renderItem}
        keyExtractor={(item) => item.nome}
      />
    </View>
  );
};

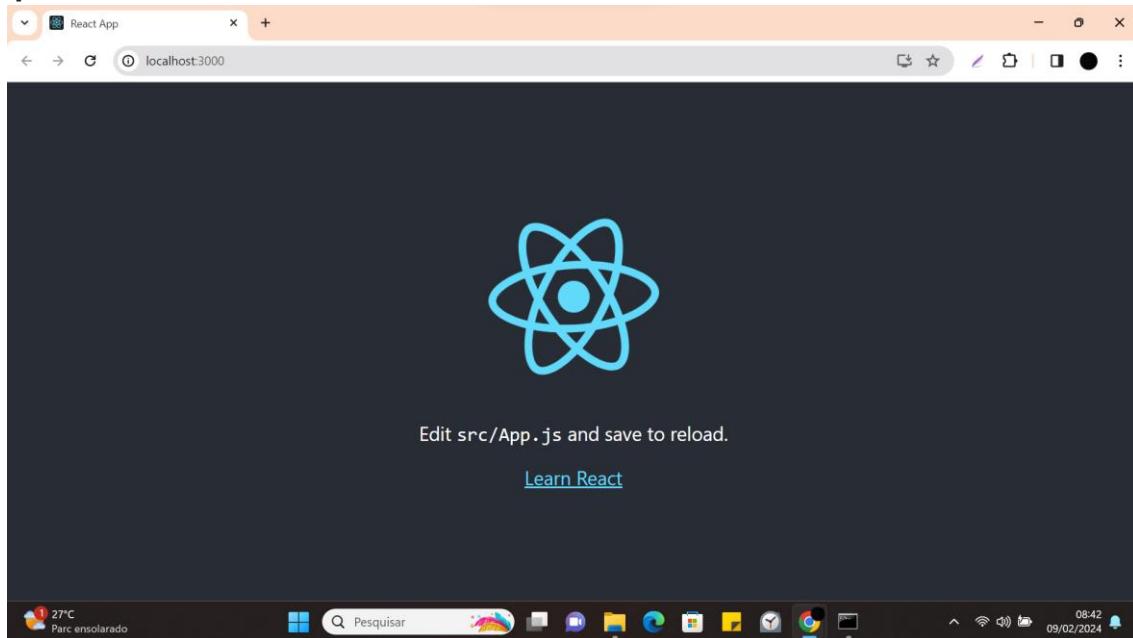
const styles = StyleSheet.create({
  container: {
    flex: 1,
    padding: 10,
    backgroundColor: 'white',
  },
  input: {
    height: 30,
    width: 500,
    borderColor: 'black',
    borderWidth: 1,
    paddingLeft: 1,
    marginBottom: 5,
  },
  itemContainer: {
    flex: 1,
    flexDirection: 'row',
    paddingBottom: 1,
  },
  image: {
    width: 50,
    height: 50,
    marginRight: 1,
  },
  itemText: {
    flex: 1,
    fontSize: 20,
  },
});

```

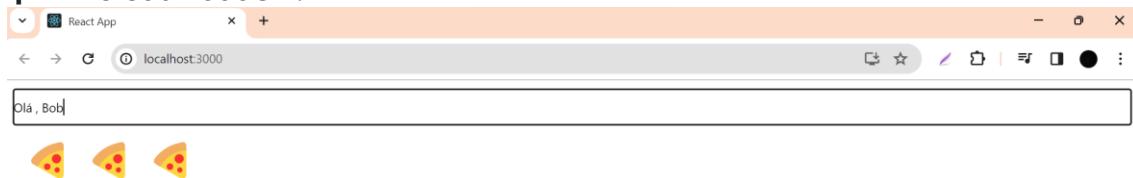
```
export default Lista;
```

Resultados:

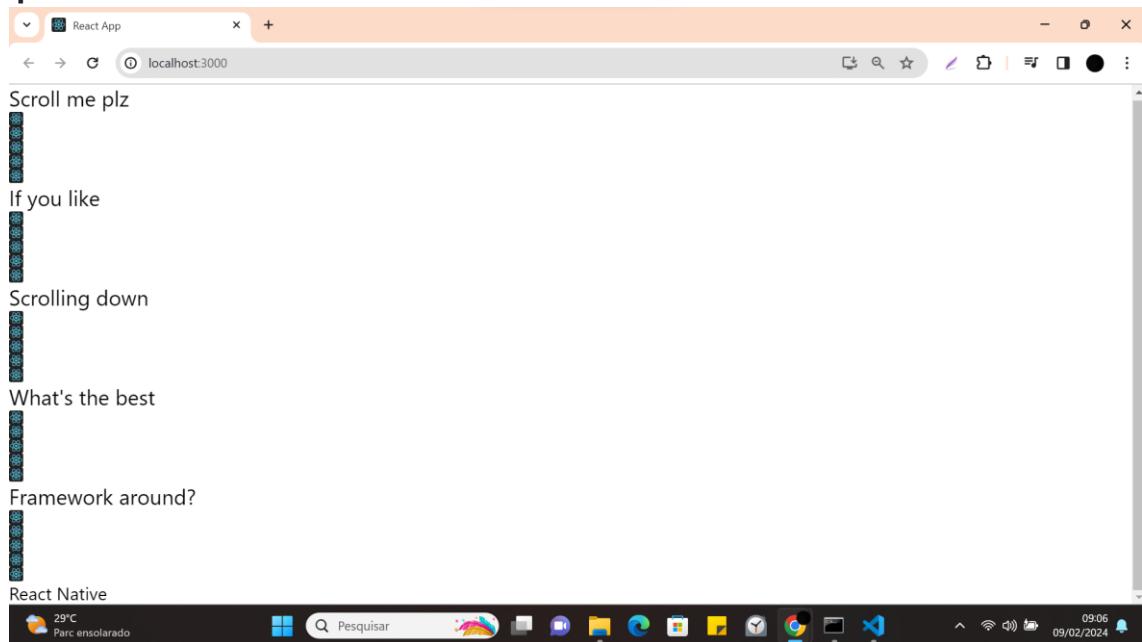
► Microatividade 1:



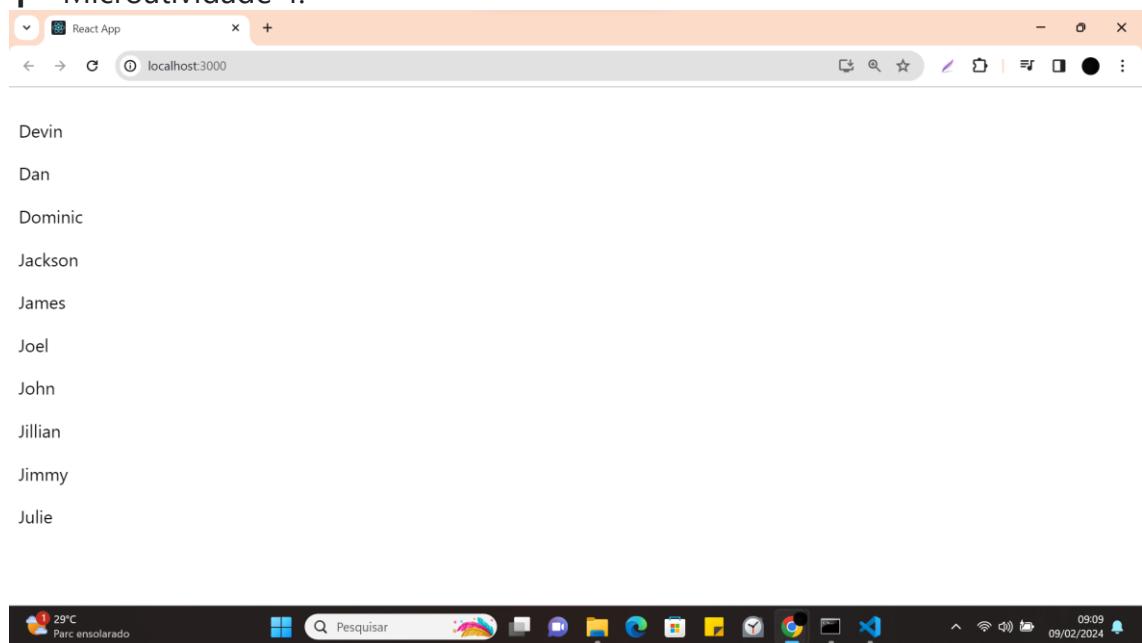
► Microatividade 2:

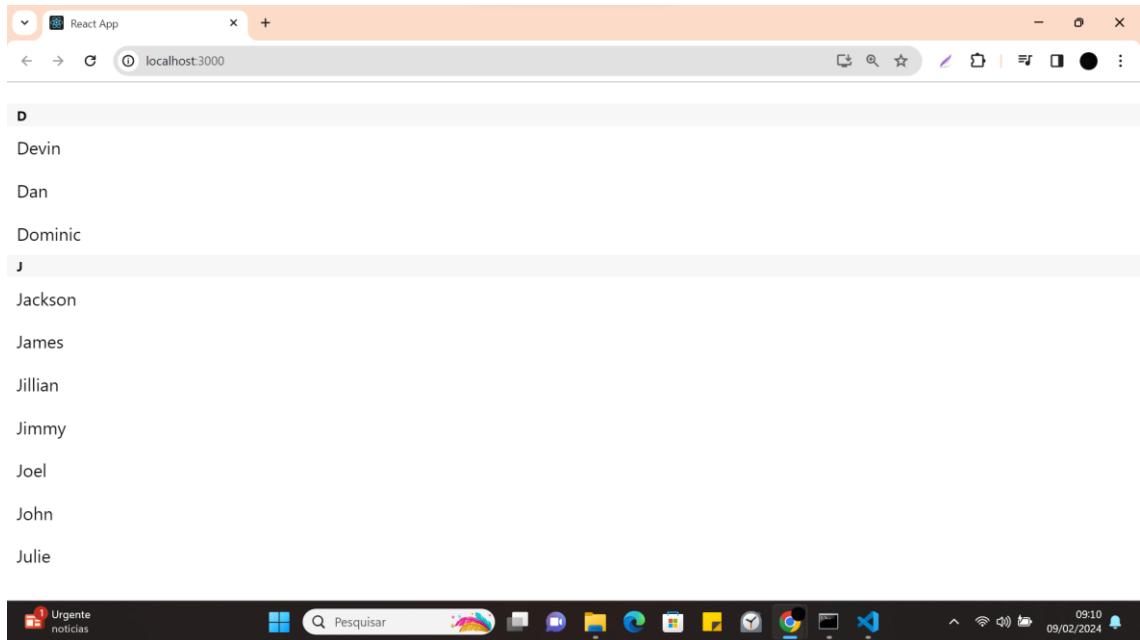


► Microatividade 3:

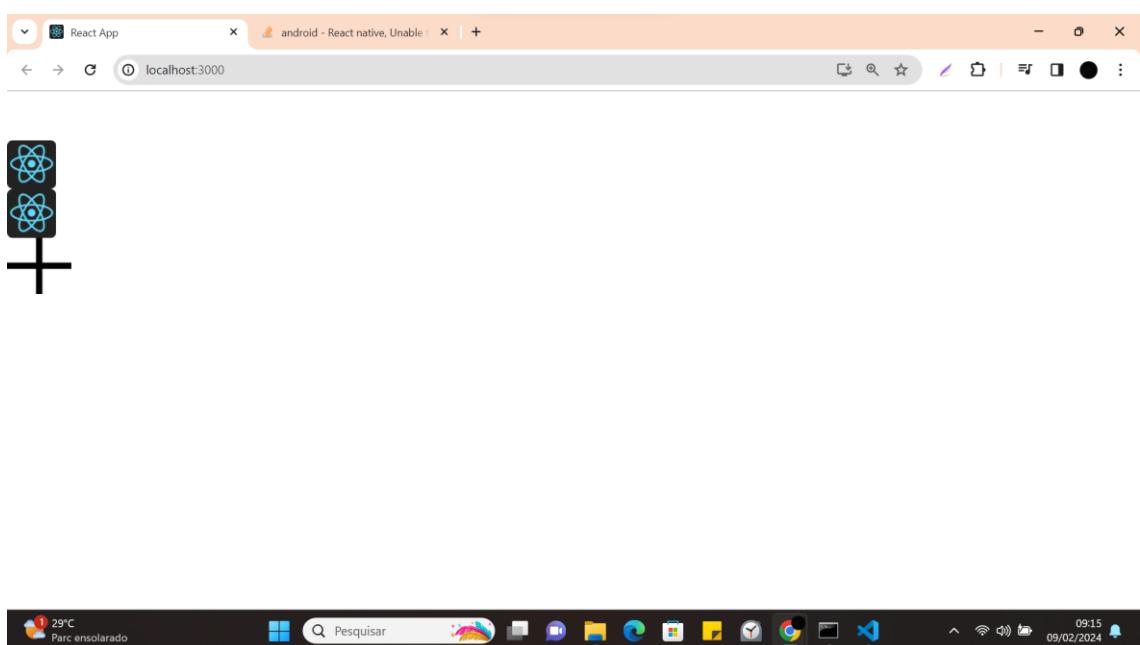


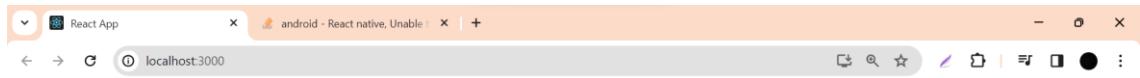
► Microatividade 4:



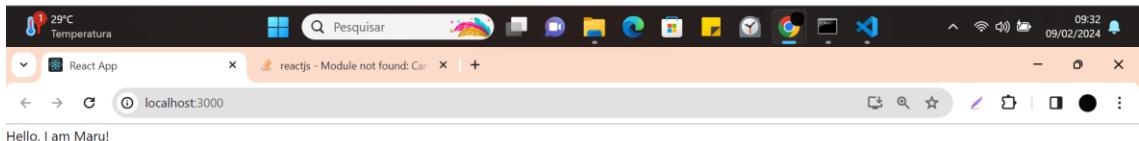
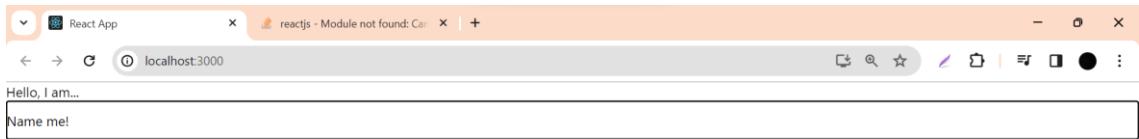


► Microatividade 5:





► Cadastro App:





Cadastro

Nome:

Endereço:

Contato:

Categorias:

Nenhum arquivo escolhido

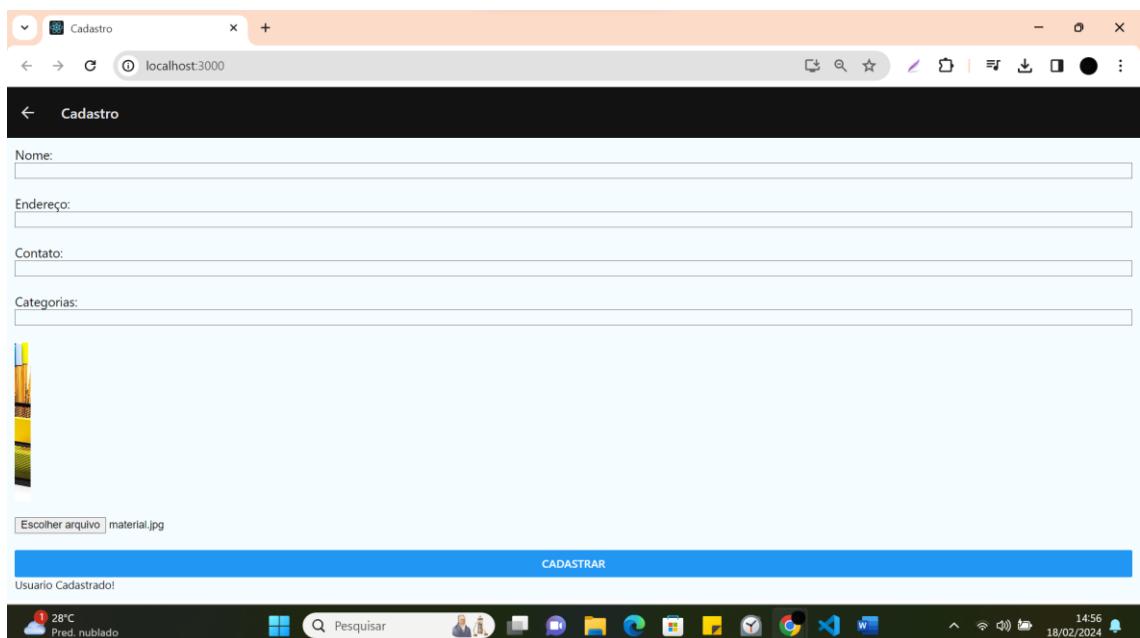
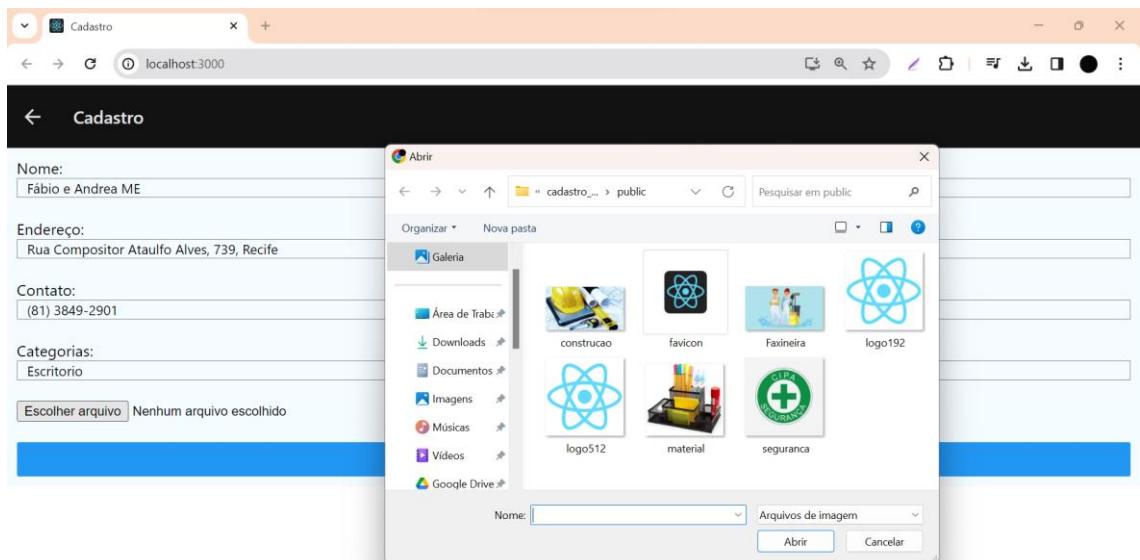
Temperatura 28°C

Pesquisar

Lista

Pesquisar





Screenshot of a web browser showing a list of companies. The page title is "Lista". A search bar at the top says "Pesquisar". The table has columns for Name, Address, Sector, and Icon.

	Name	Address	Sector	Icon
EXCLUIR	Fábio e Andrea ME	Rua Composer Ataulfo Alves, (81) 3849-2901 739, Recife	Escritorio	
EXCLUIR	Segurança LTDA	Rua Severino Rodrigues, Bairro Novo do Carmelo, Camaragibe, PE	Segurança	
EXCLUIR	Limpeza S/A	Rua do Pitiguary, 286, Dois Carneiros, Jaboatão dos Guararapes, PE	Limpeza	
EXCLUIR	Otávio Jose da Silva	Rua Clóvis Beviláqua, 526, Vista Alegre, Jaboatão dos Guararapes, PE	construção	



Screenshot of a web browser showing a filtered list of companies. The search bar at the top says "Seg".

	Name	Address	Sector	Icon
EXCLUIR	Segurança LTDA	Rua Severino Rodrigues, Bairro Novo do Carmelo, Camaragibe, PE	Segurança	



Screenshot of a web browser window titled "Lista" showing a list of companies. The search bar contains "Limpe".

	Limpeza S/A	Rua do Pitiguary, 286, Dois Carneiros, Jaboatão dos Guararapes, PE	8139648340	Limpeza	
EXCLUIR					

Screenshot of a Windows desktop environment showing a browser window titled "Lista" with a search bar containing "Pesquisar".

	Fábio e Andrea ME	Rua Compositor Ataulfo Alves, 739, Recife	(81) 3849-2901	Escritorio	
EXCLUIR					
	Segurança LTDA	Rua Severino Rodrigues, Bairro Novo do Carmelo, Camaragibe, PE	8137044527	Segurança	
EXCLUIR					

Screenshot of a Windows desktop environment showing a browser window titled "Lista" with a search bar containing "Pesquisar".