**Aplicativo:**

instalar o **Node.js** e criar o projeto React Native:  
npx react-native init AppEscolaRaioDeSol

instale as dependências:

npm install @react-navigation/native react-native-screens react-native-safe-area-context react-native-gesture-handler react-native-reanimated react-native-async-storage/async-storage

Estrutura de Arquivos

App/

├── App.js

├── screens/

│ ├── Login.js

│ ├── Dashboard.js

│ ├── Tasks.js

│ ├── Notifications.js

├── components/

│ ├── TaskItem.js

├── utils/

│ ├── storage.js

*Código*

1. **App.js** (Configuração principal)

import React from 'react';

import { NavigationContainer } from '@react-navigation/native';

import { createStackNavigator } from '@react-navigation/stack';

import Login from './screens/Login';

import Dashboard from './screens/Dashboard';

import Tasks from './screens/Tasks';

import Notifications from './screens/Notifications';

const Stack = createStackNavigator();

export default function App() {

return (

<NavigationContainer>

<Stack.Navigator initialRouteName="Login">

<Stack.Screen name="Login" component={Login} />

<Stack.Screen name="Dashboard" component={Dashboard} />

<Stack.Screen name="Tasks" component={Tasks} />

<Stack.Screen name="Notifications" component={Notifications} />

</Stack.Navigator>

</NavigationContainer>

);

}

**2. Login.js**

import React, { useState } from 'react';

import { View, Text, TextInput, Button, StyleSheet } from 'react-native';

export default function Login({ navigation }) {

const [email, setEmail] = useState('');

const [password, setPassword] = useState('');

const handleLogin = () => {

if (email === 'admin' && password === '1234') {

navigation.navigate('Dashboard');

} else {

alert('Credenciais inválidas!');

}

};

return (

<View style={styles.container}>

<Text style={styles.title}>Bem-vindo!</Text>

<TextInput

style={styles.input}

placeholder="Email"

value={email}

onChangeText={setEmail}

/>

<TextInput

style={styles.input}

placeholder="Senha"

secureTextEntry

value={password}

onChangeText={setPassword}

/>

<Button title="Entrar" onPress={handleLogin} />

</View>

);

}

const styles = StyleSheet.create({

container: { flex: 1, justifyContent: 'center', padding: 20 },

title: { fontSize: 24, fontWeight: 'bold', marginBottom: 20 },

input: { borderWidth: 1, borderColor: '#ccc', padding: 10, marginBottom: 15, borderRadius: 5 },

});

**3. Dashboard.js**

import React from 'react';

import { View, Button, StyleSheet } from 'react-native';

export default function Dashboard({ navigation }) {

return (

<View style={styles.container}>

<Button title="Gerenciar Tarefas" onPress={() => navigation.navigate('Tasks')} />

<Button title="Enviar Notificações" onPress={() => navigation.navigate('Notifications')} />

</View>

);

}

const styles = StyleSheet.create({

container: { flex: 1, justifyContent: 'center', padding: 20 },

});

**4. Tasks.js**

import React, { useState } from 'react';

import { View, Text, TextInput, Button, FlatList, StyleSheet } from 'react-native';

import AsyncStorage from '@react-native-async-storage/async-storage';

export default function Tasks() {

const [task, setTask] = useState('');

const [tasks, setTasks] = useState([]);

const saveTask = async () => {

const newTasks = [...tasks, { id: Date.now().toString(), text: task }];

setTasks(newTasks);

setTask('');

await AsyncStorage.setItem('tasks', JSON.stringify(newTasks));

};

const loadTasks = async () => {

const savedTasks = await AsyncStorage.getItem('tasks');

if (savedTasks) setTasks(JSON.parse(savedTasks));

};

React.useEffect(() => {

loadTasks();

}, []);

return (

<View style={styles.container}>

<TextInput

style={styles.input}

placeholder="Nova tarefa"

value={task}

onChangeText={setTask}

/>

<Button title="Adicionar Tarefa" onPress={saveTask} />

<FlatList

data={tasks}

keyExtractor={(item) => item.id}

renderItem={({ item }) => <Text style={styles.task}>{item.text}</Text>}

/>

</View>

);

}

const styles = StyleSheet.create({

container: { flex: 1, padding: 20 },

input: { borderWidth: 1, borderColor: '#ccc', padding: 10, marginBottom: 15, borderRadius: 5 },

task: { padding: 10, borderBottomWidth: 1, borderBottomColor: '#ccc' },

});

import React from 'react';

import { View, Text, Button, StyleSheet } from 'react-native';

export default function Notifications() {

const sendNotification = () => {

alert('Notificação enviada!');

};

return (

<View style={styles.container}>

<Text style={styles.title}>Enviar Notificações</Text>

<Button title="Enviar para todos" onPress={sendNotification} />

</View>

);

}

const styles = StyleSheet.create({

container: { flex: 1, justifyContent: 'center', padding: 20 },

title: { fontSize: 24, fontWeight: 'bold', marginBottom: 20 },

});