

Mobile Application Development

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Internacionalização

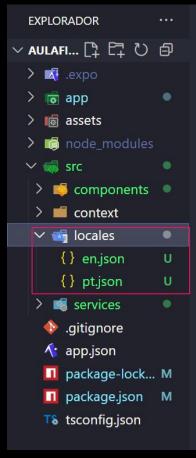
Instalar as dependências



npm install react-i18next i18next react-native-localize

Criando os arquivos de tradução





pt.json



```
{} pt.json U X
 EXPLORADOR
∨ AULAFI... [‡ □ ひ 回
                     src > locales > { } pt.json > ...
 > 🗖 .expo
 > app
                                "welcome": "Seja bem-vindo à aplicação",
 > assets
                                "logout": "Sair da Conta",
 > node_modules
                                "deleteAccount": "Excluir conta",
 ∨ 륢 src
  > S components
                                "confirmDelete": "Tem certeza que deseja excluir sua conta?",
  > context
                                "cancel": "Cancelar",

✓ 

✓ locales

                                "delete": "Excluir"
     {} en.json
                         8
     {} pt.json
  > services
     .gitignore
   app.json
   package-lock... M
   package.json M
   tsconfig.json
```

en.json



```
{} en.json U X
                                                                                                      D &
 EXPLORADOR
src > locales > { } en.json > ...
 > 🗖 .expo
 > 👼 app
                              "welcome": "Welcome to the app",
 > assets
                              "logout": "Log out",
 > node_modules
                              "deleteAccount": "Delete account",
 ∨ 륣 src
                              "confirmDelete": "Are you sure you want to delete your account?",
  > Somponents •
                              "cancel": "Cancel",
  > context
                              "delete": "Delete"

✓ 

✓ locales

                        8
     {} en.json
                U
     {} pt.json
    services
   .gitignore
   👫 app.json
   package-lock... M
```

Configurando o arq i18n.ts



```
EXPLORADOR
                   TS i18n.ts U X
> 🗖 .expo
                           import i18n from "i18next";
 > 👼 app
                           import { initReactI18next } from "react-i18next";
 > magassets
 > node modules
                           import pt from "../locales/pt.json";
 ∨ 륣 src
                           import en from "../locales/en.json";
  > S components
                       6
  > context
                           i18n.use(initReactI18next).init({
  > locales
                             lng: "pt", // idioma padrão

✓ ■ services

    mark firebaseCo... U
                             fallbackLng: "en", // fallback se não encontrar tradução
    TS i18n.ts
                             resources: {
   .gitignore
                               pt: { translation: pt },
                      11
   app.json
                               en: { translation: en },
                      12
   package-lock... M
                      13
                             },
   package.json M
                             interpolation: {
   15 tsconfig.json
                               escapeValue: false, // react já faz a proteção contra XSS
                      16
                             },
                           });
 ESTRUTURA DO CÓDIGO
                           export default i18n;
> LINHA DO TEMPO
```

Integrando ao App



```
🦃 _layout.tsx M 🗙
 EXPLORADOR
∨ AULAFI... 🖺 🛱 ひ 🗊
 > 🗖 .expo
                          import { Stack } from "expo-router";
 import { ThemeProvider } from "../src/context/ThemeContext";
      layout.tsx
                          import { I18nextProvider } from "react-i18next";
   AlterarSenh... M
                          import i18n from "../src/services/i18n"; // precisa exportar o
   CadastrarSc... M
   M HomeScree ... M
   index.tsx
                          export default function Layout() {
 > 📾 assets
                             return (
 > node modules
                               <I18nextProvider i18n={i18n}>
 > src
                                 <ThemeProvider>
   .gitignore
   4 app.json
                     10
                                    <Stack screenOptions={{ headerShown: false }} />
  package-lock... M
                     11
                                 </ThemeProvider>
  package.json M
                     12
                               </I18nextProvider>
   T& tsconfig.json
                     13
                             );
                     14
                     15
```

Utilizando na tela de login(index.tsx)



```
🦈 index.tsx M 🗡
 EXPLORADOR
app > 👺 index.tsx > 🕥 LoginScreen
                         import React, { useState, useEffect } from 'react';
 > 🗖 .expo
 import { View, Text, TextInput, TouchableOpacity, StyleSheet, Al
   _layout.tsx
                         import { useRouter } from 'expo-router';
   AlterarSenh... M
                         import AsyncStorage from '@react-native-async-storage/async-stor
   CadastrarSc... M
                         import { signInWithEmailAndPassword, sendPasswordResetEmail } fr
   M HomeScree ... M
     index.tsx
                         import{auth} from '../src/services/firebaseConfig'
 > massets
                         import { useTheme } from '../src/context/ThemeContext';
 > node modules
                         import { useTranslation } from 'react-i18next';
 ∨ 🚮 src
                    10
  > S components
 > context
                         export default function LoginScreen() {

✓ 

✓ locales

                           // Hook do i18next que fornece a função "t" para buscar traduç
                    12
    {} en.json
                    13
                           // no idioma atual
    {} pt.json
                           const{t}=useTranslation()
                    14

✓ ■ services

                           const {colors} = useTheme()
    firebaseCo... U
```

Configurando a tradução para msg inicia | /\ |

```
EXPLORADOR
                     index.tsx M X
V AULAFI... ☐ ☐ U ☐
                     app > 🎡 index.tsx > 🕥 LoginScreen
 > 🗖 .expo
                             t default function LoginScreen() {

✓ □ app

                              esqueceuSenha = ()=>{
    _layout.tsx
                             catch((error)=>{
      AlterarSenh... M
      CadastrarSc... M
                        73
    Marie Home Scree ... M
                        74
       index.tsx
                M
 > massets
                        76
                             n (
 > node modules
                             ew style={[styles.container,{backgroundColor:colors.background}]
                        77
 ∨ 🚮 src
  > S components
                        78
                             Text style={[styles.titulo,{color:colors.text}]}>{t("login")}</7
  > ii context
                        79

✓ 

✓ locales

                        80
     {} en.ison
```



Pegando o i18n



```
index.tsx M X
 EXPLORADOR
∨ AULAFI... 🖺 🛱 ひ 🗊
                   app > ∰ index.tsx > ❤ LoginScreen
 > 🗖 .expo
                          import { signInWithEmailAndPassword, sendPasswordResetEmail } fr

✓ male app

                          import{auth} from '../src/services/firebaseConfig'
    _layout.tsx
                          import { useTheme } from '../src/context/ThemeContext';
     AlterarSenh... M
                          import { useTranslation } from 'react-i18next';
    CadastrarSc... M
    M HomeScree... M
                     10
      index.tsx
                     11
                          export default function LoginScreen() {
 > magassets
                     12
                             // Hook do i18next que fornece a função "t" para buscar traduc
                             // no idioma atual
 const{t i18n}=useTranslation()//agora pegamos o i18n tbm
  > Somponents
                     14
  > context
                             const {colors} = useTheme()

✓ 

✓ locales

                     16
    {} en.json
```

Função para alterar o idioma



```
index.tsx M X
 EXPLORADOR
∨ AULAFI... [t] Et ひ 🗊
                     app > ∰ index.tsx > ❤ LoginScreen
 > 🗖 .expo
                             export default function LoginScreen() {
                       11
 63
                             const esqueceuSenha = ()=>{
    _layout.tsx
                                  .catch((error)=>{
                       70
    AlterarSenh... M
                       73
                                  })
    CadastrarSc... M
    M HomeScree ... M
                       74
      index.tsx
                       75
 > m assets
                       76
                               // Função para mudar idioma
   node modules
                                const mudarIdioma = (lang: string) => {
                       77
 > src
     .gitignore
                       78
                                  i18n.changeLanguage(lang);
   👫 app.json
                       79
                               };
   package-lock... M
                       80
   package.json
                       81
                             return (
   T& tsconfig.json
                                <View style={[styles.container,{backgroundContainer,}</pre>
                       82
                       83
                                  <Text style={[styles.titulo,{color:colors
```

Criando o visual para os botões



```
index.tsx M X
app > ∰ index.tsx > ❤ LoginScreen
      export default function LoginScreen() {
 109
          <View style={{ flexDirection: "row", justifyContent: "center",</pre>
             marginBottom: 15 }}>
 110
 111
               <TouchableOpacity
 112
                 style={[styles.botao, {
                   marginRight: 10, backgroundColor: "□#007bff" }]}
 113
                 onPress={() => mudarIdioma("pt")}
 114
 115
 116
                 <Text style={styles.textoBotao}>PT</Text>
 117
               </TouchableOpacity>
 118
 119
               <TouchableOpacity
                 style={[styles.botao, { backgroundColor: "□#28a745" }]}
 120
                 onPress={() => mudarIdioma("en")}
 121
 122
                 <Text style={styles.textoBotao}>EN</Text>
 123
```

Criando o visual para os botões



```
index.tsx M X
app > ∰ index.tsx > ❤ LoginScreen
       export default function LoginScreen() {
 117
               </TouchableOpacity>
118
119
               <TouchableOpacity
                 style={[styles.botao, { backgroundColor: "■#28a745" }]}
 120
 121
                 onPress={() => mudarIdioma("en")}
 122
                 <Text style={styles.textoBotao}>EN</Text>
 123
               </TouchableOpacity>
124
125
             </View>
126
           {/* Botão */}
 127
128
           <TouchableOpacity style={styles.botao} onPress={handleLogin}>
129
             <Text style={styles.textoBotao}>Login</Text>
           </TouchableOpacity>
 131
```

Estilo dos botões



```
index.tsx M X
app > ∰ index.tsx > ❤ LoginScreen
       const styles = StyleSheet.create({
 146
         input: {
 168
         },
 169
         botao: {
           backgroundColor: '■#00B37E',
 170
           padding: 15,
 171
 172
           borderRadius: 10,
173
           alignItems: 'center',
174
         },
         textoBotao: {
 176
           color: '□#fff',
           fontSize: 18,
           fontWeight: 'bold',
 178
 179
         },
 180
       });
 181
```





Dúvidas?