

Pacotes iniciais para navegação entre telas

- npm install @react-navigation/native
- npx expo install react-native-screens react-native-safe-area-context

Usando o Stack

Instalação: npm install @react-navigation/native-stack

Usando o BottomTabNavigator

Instalação: npm install @react-navigation/bottom-tabs

Usando o Drawer

- npm install @react-navigation/drawer
- npx expo install react-native-gesture-handler react-native-reanimated

Obs: alterar o arquivo 'babel.config.js' da pasta raiz do projeto

'babel.config.js'

```
module.exports = function(api) {  
  api.cache(true);  
  return {  
    presets: ['babel-preset-expo'],  
    plugins: ['react-native-reanimated/plugin'],  
  };  
};
```

=====

Criar a pasta 'routes' na pasta raiz do projeto

Criar arquivo 'index.js' na pasta 'routes'

=====

Arquivo index.js

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

```
import TabRoutes from "../tab.routes";
```

```
export default function Routes() {  
  return (  
    <NavigationContainer>  
      <TabRoutes />  
    </NavigationContainer>  
  )  
}
```

=====

Criar arquivo 'tab.routes.js' na pasta 'routes'

=====

tab.routes.js

```
import { createBottomTabNavigator } from "@react-navigation/bottom-tabs";
import { Feather } from "@expo/vector-icons";
import Inicial from "../screens/Inicial";
import Disciplinas from "../screens/Disciplinas";
import Avaliacoes from "../screens/Avaliacoes";
import Biblioteca from "../screens/Biblioteca";
```

```
const Tab = createBottomTabNavigator()
```

```
// criar a função do arquivo com Emmet
// atalhos: rfc ou rnf
```

```
export default function TabRoutes() {
  return (
    <Tab.Navigator>
      <Tab.Screen
        name='inicial'
        component={Inicial}
        options={{
          tabBarIcon: ({ color, size }) => <Feather name='home' color={color} size={size} />
        }}/>
      <Tab.Screen
        name='disciplinas'
        component={Disciplinas}
        options={{
          tabBarIcon: ({ color, size }) => <Feather name='book' color={color} size={size} />
        }}
      />
      <Tab.Screen
        name='avaliacoes'
        component={Avaliacoes}
        options={{
          tabBarIcon: ({ color, size }) => <Feather name='edit' color={color} size={size} />
        }}/>
      <Tab.Screen
        name='biblioteca'
        component={Biblioteca}
        options={{
          tabBarIcon: ({ color, size }) => <Feather name='book-open' color={color} size={size} />
        }}/>
    </Tab.Navigator>
  )
}
```

```

    </Tab.Navigator>
  )
}

```

=====

Criar o arquivo 'drawer.routes.js' na pasta 'routes'

'drawer.routes.js'

```
import { createDrawerNavigator } from "@react-navigation/drawer";
```

```
import { Feather } from '@expo/vector-icons';
```

```
import TabRoutes from "../routes/tab.routes";
```

```
import StackRoutes from "../stack.routes";
```

```
const Drawer = createDrawerNavigator()
```

```
export default function DrawerRoutes(){
```

```
  return (
```

```
    <Drawer.Navigator screenOptions={{ title: ""}}>
```

```
      <Drawer.Screen
```

```
        name="inicio"
```

```
        component={TabRoutes}
```

```
        options={{
```

```
          drawerLabel: "Início",
```

```
          drawerIcon: ({ color, size}) => <Feather name='home' color={color}
```

```
size={size} />
```

```
        }}
```

```
      />
```

```
      <Drawer.Screen
```

```
        name="disciplinas"
```

```
        component={StackRoutes}
```

```
        options={{
```

```
          drawerLabel: "Disciplinas",
```

```
          drawerIcon: ({ color, size}) => <Feather name='book' color={color} size={size}
```

```
size={size} />
```

```
        }}
```

```
      />
```

```
      <Drawer.Screen
```

```
        name="avaliacoes"
```

```
        component={StackRoutes}
```

```
        options={{
```

```
          drawerLabel: "Avaliações",
```

```

        drawerIcon: ({ color, size}) => <Feather name='edit' color={color} size={size}
/>
      }}
    />
    <Drawer.Screen
      name="biblioteca"
      component={TabRoutes}
      options={{
        drawerLabel: "Biblioteca",
        drawerIcon: ({ color, size}) => <Feather name='book-open' color={color}
size={size} />
      }}
    />
  </Drawer.Navigator>
)
}

```

=====

Criar o arquivo 'stack.routes.js' na pasta 'routes'

'stack.routes.js'

```
import { createNativeStackNavigator } from "@react-navigation/native-stack";
```

```
import TabRoutes from "../routes/tab.routes";
```

```
const Stack = createNativeStackNavigator()
```

```
export default function StackRoutes(){
```

```
  return (
```

```
    <Stack.Navigator>
```

```
    <Stack.Screen
```

```
      name="inicio"
```

```
      component={TabRoutes}
```

```
    />
```

```
  </Stack.Navigator>
```

```
)
```

```
}
```

=====

Arquivo App.js

```
import Routes from "../routes";
```

```

export default function App() {
  return (
    <Routes />
  )
}

```

=====

Arquivo Tela1.js

```

import { StyleSheet, View, Text } from "react-native"

```

```

export default function Tela1(){
  return (
    <View style={styles.container}>
    <Text style={styles.titulo}>Essa é a tela 1</Text>
    </View>

```

```

  )
}

```

```

const styles = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: 'center',
    justifyContent: 'center',
    backgroundColor: 'green'
  },
  titulo: {
    color: 'white'
  }
})

```

=====

Arquivo Tela2.js

```

import { StyleSheet, View, Text } from "react-native"

```

```

export default function Tela2(){
  return (
    <View style={styles.container}>
    <Text style={styles.titulo}>Essa é a tela 2</Text>

```

```

    </View>

  )
}

```

```

const styles = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: 'center',
    justifyContent: 'center',
    backgroundColor: 'blue'
  },
  titulo: {
    color: 'white'
  }
})

```

```

=====

```

Inicial.js

```

import { StyleSheet, View, Text } from "react-native"
import Ionicons from '@expo/vector-icons/Ionicons'

```

```

export default function Inicial(){
  return (
    <View style={styles.container}>
      <Text style={styles.titulo}>Inicial</Text>
      <Ionicons name="home" size={50}/>
    </View>

  )
}

```

```

const styles = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: 'center',
    justifyContent: 'center',
    backgroundColor: 'white'
  },
  titulo: {
    fontSize: 30
  }
})

```

Disciplinas.js

```
import { StyleSheet, View, Text } from "react-native"
import Ionicons from '@expo/vector-icons/Ionicons'
import { MaterialCommunityIcons } from '@expo/vector-icons';

export default function Disciplinas() {
  return (
    <View style={styles.container}>
      <View style={styles.disciplinaCard}>
        <View style={styles.disciplinaNomeProf}>
          <Text style={styles.disciplina}>Matemática</Text>
          <Text style={styles.professor}>Prof. Fulano</Text>
        </View>
        <MaterialCommunityIcons name="math-compass" size={40} color="black" />
      </View>
      <Text style={styles.titulo}>Disciplinas</Text>
      <Ionicons name="book" size={50} />
    </View>

  )
}

const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: '#00ffff'
  },
  titulo: {
    fontSize: 30
  },
  disciplinaCard: {
    flex: 1,
    alignItems: 'center',
    justifyContent: 'space-between',
    flexDirection: 'row',
    backgroundColor: 'gray',
    paddingHorizontal: 20,
    borderRadius: 20,
    marginVertical: 180,
    marginHorizontal: 20
  },
  disciplina: {
    fontSize: 30,
    fontWeight: 'bold',
```

```

    },
    professor: {
      fontSize: 18
    }
  })

```

=====

Avaliacoes.js

```

import { StyleSheet, View, Text } from "react-native"
import { SimpleLineIcons } from '@expo/vector-icons';

export default function Avaliacoes(){
  return (
    <View style={styles.container}>
      <Text style={styles.titulo}>Avaliações</Text>
      <SimpleLineIcons name="note" size={50} color="black" />
    </View>
  )
}

const styles = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: 'center',
    justifyContent: 'center',
    backgroundColor: 'white'
  },
  titulo: {
    fontSize: 30
  }
})

```

=====

Biblioteca.js

```

import { StyleSheet, View, Text } from "react-native"
import Ionicons from '@expo/vector-icons/Ionicons'

export default function Biblioteca(){
  return (

```



```
<View style={styles.container}>
  <Text style={styles.titulo}>Biblioteca</Text>
  <Icons name="library" size={50}/>
</View>
```

```
  )
}
```

```
const styles = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: 'center',
    justifyContent: 'center',
    backgroundColor: 'white'
  },
  titulo: {
    fontSize: 30
  }
})
```