PROJETO INTEGRADOR

Login → **Esqueci minha senha**

Dashboard do aluno
- Listagem com as UCs que esta matriculado/esta cursando/frequencia
- Calendário
- Badges
- Notificação de próxima atividade, de feedback, mensagem no fórum (alerta expande)
- Busca
- Icone de mensagens bate papo alerta expande/gerencia

Recursos (arquivos que eu subi)
- Pesquisa de recursos

Senac coin
- Detalhamento do senac coin

Badges (por competencia por indicador)
- Detalhamento do badge

Conceitos (boletim)
- Conceito e feedback de cada UC no período

Página da UC especifica
- Timeline da UC
- Conceito e feedback
- Descrição da UC
- Conteúdo da aula
- Postagem de recursos compartilhados
- Visualizar frequencia
- Aulas e objetos de aprendizagem

Calendário expandido

Perfil (descrição do usuário, editar perfil)

Mapa do curso

Fórum (comunidades)
- Postagem de recursos compartilhados
- Postar
- Gerenciar comunidades
- Gerenciar mensagens

Resultado de busca

Perguntas frequentes (faq)

Notícias institucionais

Timeline do curso

Página da tarefa (atividade de verificação)
- Tarefa passada pelo professor
- Gameficação com a pontuação que ele ganha com a atividade

documento de aprendizagem (pdf, doc...)

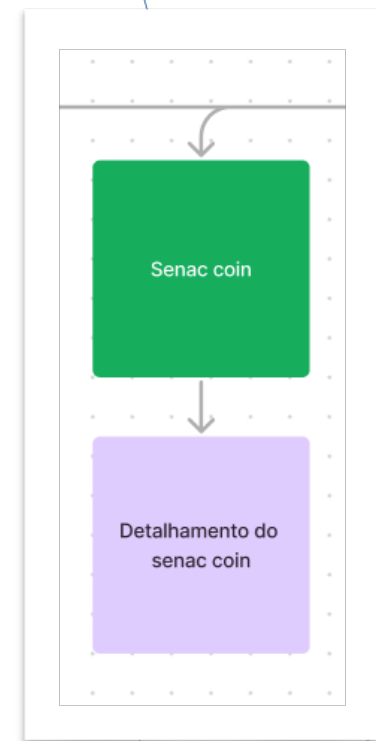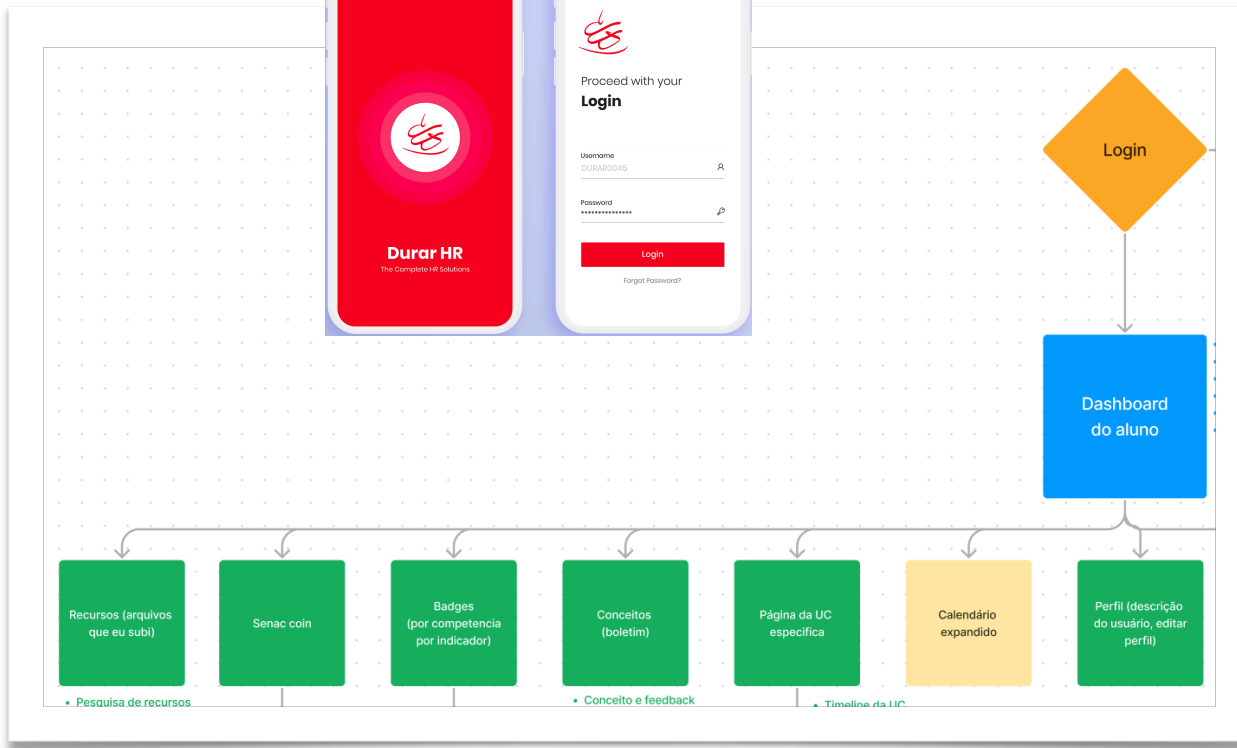**Objeto de aprendizagem por competencia???**

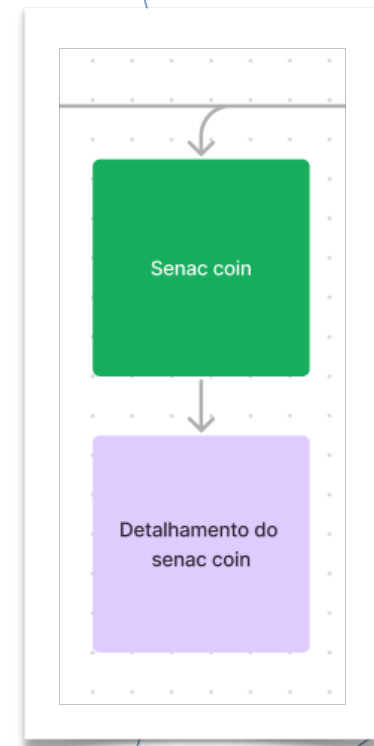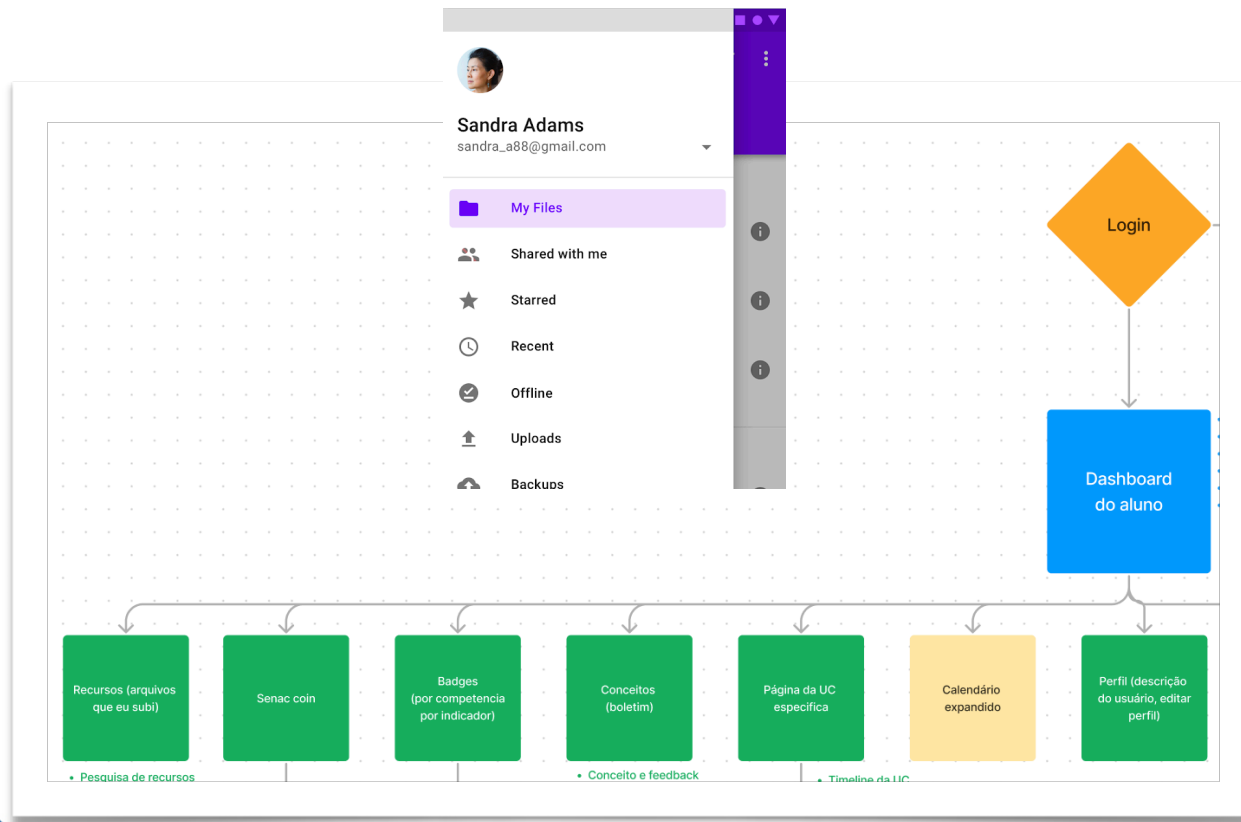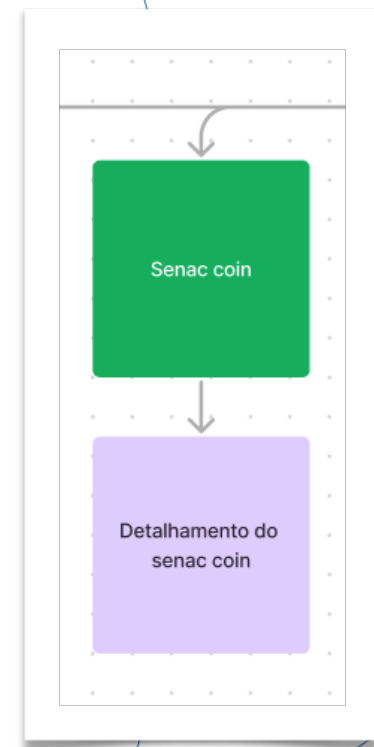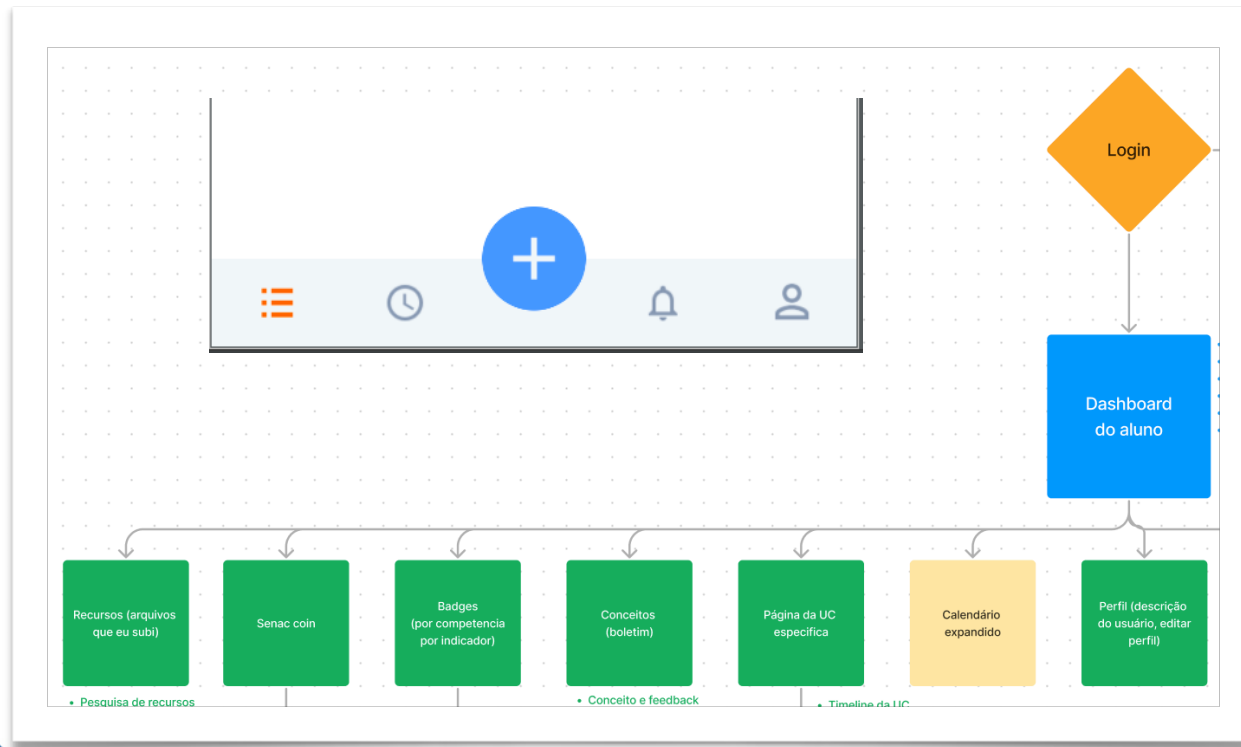**Objeto de aprendizagem por indicador competencia???**

PROJETO INTEGRADOR

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```
npm install @react-navigation/native @react-navigation/native-stack

added 19 packages, and audited 1297 packages in 3s
64 packages are looking for funding
  run `npm fund` for details
5 high severity vulnerabilities
To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
npm install @react-navigation/native

up to date, audited 1297 packages in 1s
64 packages are looking for funding
  run `npm fund` for details
5 high severity vulnerabilities
To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
npx expo install react-native-screens react-native-safe-area-context
› Installing 2 SDK 48.0.0 compatible native modules using npm
> npm install
up to date, audited 1297 packages in 1s
64 packages are looking for funding
  run `npm fund` for details
5 high severity vulnerabilities
To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
npm install @react-navigation/bottom-tabs

added 7 packages, and audited 1304 packages in 1s
64 packages are looking for funding
  run `npm fund` for details
5 high severity vulnerabilities
To address all issues (including breaking changes), run:
  npm audit fix --force
Run `npm audit` for details.
npm install react-native-paper

added 11 packages, and audited 1315 packages in 5s
64 packages are looking for funding
  run `npm fund` for details
5 high severity vulnerabilities
To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
npm install Base64

added 1 package, and audited 1316 packages in 2s
64 packages are looking for funding
  run `npm fund` for details
5 high severity vulnerabilities
To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
npm i -S base-64

added 1 package, and audited 1317 packages in 1s
64 packages are looking for funding
  run `npm fund` for details
5 high severity vulnerabilities
To address all issues (including breaking changes), run:
  npm audit fix --force


npm install --save react-native-base64

added 1 package, and audited 1318 packages in 2s

64 packages are looking for funding
  run `npm fund` for details

5 high severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force


Run `npm audit` for details.
npm run android
```

EXPLORER   ...

∨ BADGE

  > .expo

  > assets   ●

  ∨ Badges   ●

    JS Badge.js   U

    JS Delete.js   U

    JS List.js   U

    JS Post.js   U

    JS PostForm.js   U

  > node_modules

  ∨ Settings   ●

    JS Dialogo.js   U

    JS Tabs.js   U

  ◈ .gitignore

  JS App.js   M

  {} app.json

  ℬ babel.config.js

  {} package-lock.j...   M

  {} package.json   M

PROJETO INTEGRADOR

Adicionando TypeScript a um

1. Adicione plug-ins TypeScript, tipos e ESLint ao seu projeto.

npm   Fio

```
npm install -D @tsconfig/react-native @types/jest @types/react @types/react-test-renderer types
```

ⓘ **OBSERVAÇÃO**

Este comando adiciona a versão mais recente de cada dependência. As versões podem precisar ser alteradas para corresponder aos pacotes existentes usados pelo seu projeto. Você pode usar uma ferramenta como o React Native Upgrade Helper para ver as versões enviadas pelo React Native.

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2. Adicione um arquivo de configuração TypeScript. Crie um `tsconfig.json` na raiz do seu projeto:

```json
{
  "extends": "@tsconfig/react-native/tsconfig.json"
}
```

3. Renomeie um arquivo JavaScript para ser `*.tsx`

Você deve deixar o `./index.js` arquivo de ponto de entrada como está, caso contrário, poderá ter problemas ao agrupar uma compilação de produção.

4. Execute `yarn tsc` para verificar o tipo de seus novos arquivos TypeScript.

Fonte: https://reactnative.dev/docs/typescript

```
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64 packages are looking for funding
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5 high severity vulnerabilities
To address all issues (including breaking changes), run:
  npm audit fix --force


npm install --save @types/react-native-base64
added 1 package, and audited 1318 packages in 2s

64 packages are looking for funding
  run `npm fund` for details

5 high severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force


Run `npm audit` for details.
npm run android
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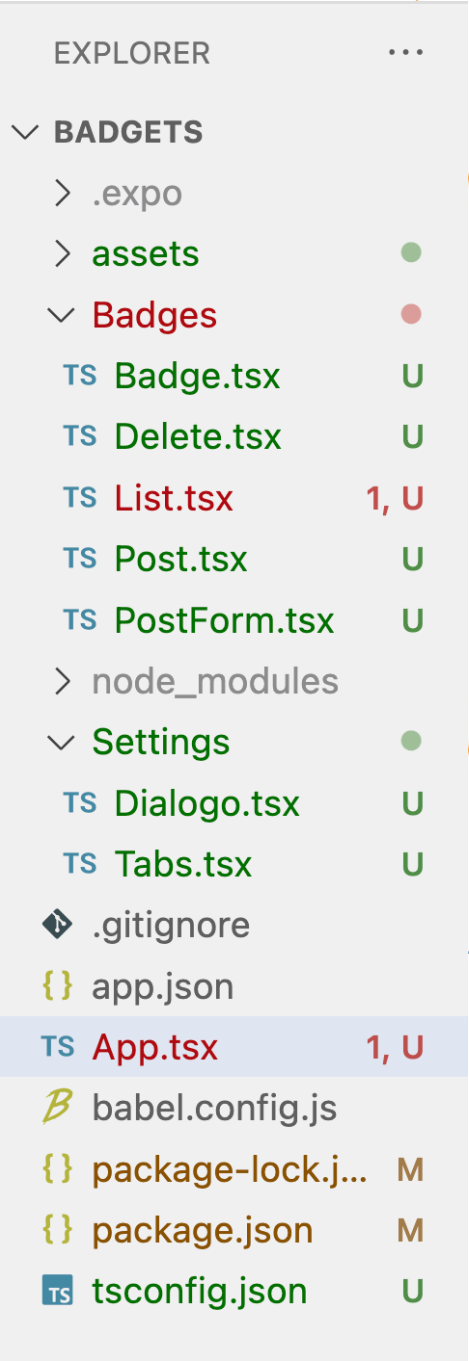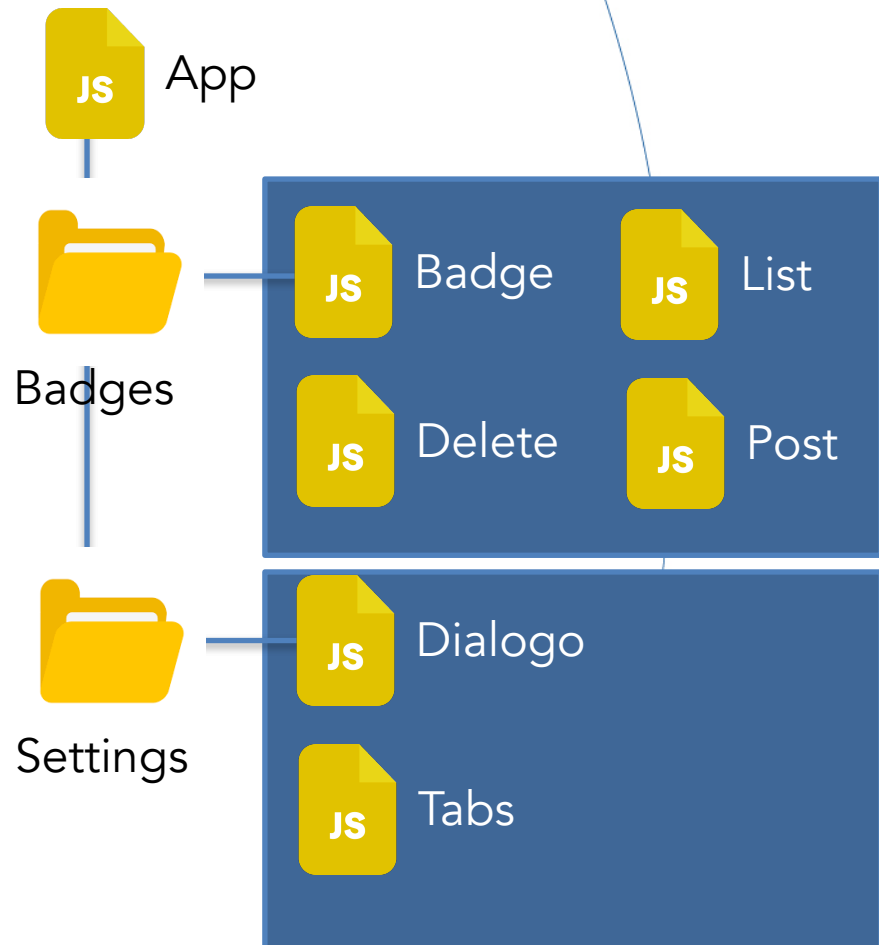
EXPLORER   ···

∨ BADGETS
  > .expo
  > assets   ●
  ∨ Badges   ●
     TS Badge.tsx   U
     TS Delete.tsx   U
     TS List.tsx   1, U
     TS Post.tsx   U
     TS PostForm.tsx   U
  > node_modules
  ∨ Settings   ●
     TS Dialogo.tsx   U
     TS Tabs.tsx   U
  ◆ .gitignore
  {} app.json
  TS App.tsx   1, U
  𝓑 babel.config.js
  {} package-lock.j…   M
  {} package.json   M
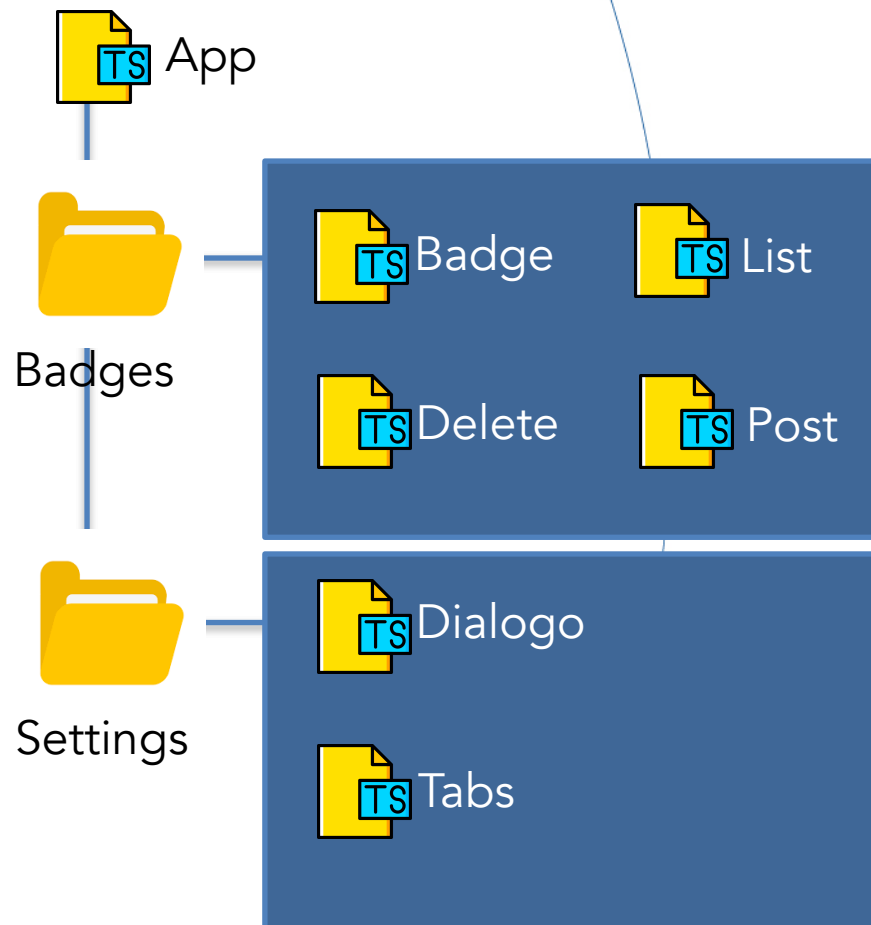 TS tsconfig.json   U

PROJETO INTEGRADOR

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JS App

```js
import * as React from 'react';
import {NavigationContainer} from '@react-navigation/native';
import { createBottomTabNavigator } from '@react-navigation/bottom-tabs';
import Tabs from './Settings/Tabs.js';

export default function App () {
  return (
    <NavigationContainer>
      <Tabs/>
    </NavigationContainer>
  );
};
```

TS App

```ts
import * as React from 'react';
import { createBottomTabNavigator } from '@react-navigation/bottom-tabs';
import Tabs from './Settings/Tabs';

const Tab = createBottomTabNavigator();

const App: React.FC = () => {
return (
<Tabs/>
);
};

export default App;
```

JS Dialog

```js
import * as React from 'react';
import { View } from 'react-native';
import { Button, Dialog, Portal, Provider, Text } from 'react-native-paper';

const Dialogo = ({mensagem}) => {
  const [visible, setVisible] = React.useState(false);

  const showDialog = () => setVisible(true);

  const hideDialog = () => setVisible(false);

  return (
    <Provider>
      <View>
        <Button onPress={showDialog}>Show Dialog</Button>
        <Portal>
          <Dialog visible={visible} onDismiss={hideDialog}>
            <Dialog.Title>Alert</Dialog.Title>
            <Dialog.Content>
              <Text variant="bodyMedium">{mensagem}</Text>
            </Dialog.Content>
            <Dialog.Actions>
              <Button onPress={hideDialog}>Done</Button>
            </Dialog.Actions>
          </Dialog>
        </Portal>
      </View>
    </Provider>
  );
};

export default Dialogo;
```

F

TS Dialog

```typescript
import React, { useState } from 'react';
import { View } from 'react-native';
import { Button, Dialog, Portal, Provider, Text } from 'react-native-paper';

interface Props {
mensagem: string;
}

const Dialogo: React.FC<Props> = ({ mensagem }) => {
const [visible, setVisible] = useState(false);

const showDialog = () => setVisible(true);

const hideDialog = () => setVisible(false);

return (
<Provider>
  <View>
    <Button onPress={showDialog}>Show Dialog</Button>
    <Portal>
    <Dialog visible={visible} onDismiss={hideDialog}>
      <Dialog.Title>Alert</Dialog.Title>
      <Dialog.Content>
        <Text variant="bodyMedium">{mensagem}</Text>
      </Dialog.Content>
      <Dialog.Actions>
      <Button onPress={hideDialog}>Done</Button>
      </Dialog.Actions>
    </Dialog>
    </Portal>
  </View>
</Provider>
);
};

export default Dialogo;
```

```typescript
import React, { useState, useEffect } from "react";
import { SafeAreaView, Text, FlatList, StyleSheet, Image, View } from "react-native"
import Base64 from 'Base64';

interface Badge {
  id: number;
  descricao: string;
  imagem: string;
  badgeNivel: {
    id: number;
    descricao: string;
  }
}

interface RenderItemProps {
  item: Badge;
}

export default function List() {
  const [data, setData] = useState<Badge[]>([]);

  const fetchData = async () => {
    try{
      const resp = await fetch("http://academico3.rj.senac.br:8080/api/Badge");
      const data = await resp.json();
      setData(data);
    }catch{
      console.log("erro")
    }
  }

  useEffect(() => {
    fetchData();
  }, []);

  const ImagemDecoder = (imagem: string) => {
    let s = "";
    try {
```

List

```typescript
interface RenderItemProps {
  item: Badge;
}

export default function List() {
  const [data, setData] = useState<Badge[]>([]);

  const fetchData = async () => {
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      const data = await resp.json();
      setData(data);
    }catch{
      console.log("erro")
    }
  }

  useEffect(() => {
    fetchData();
  }, []);

  const ImagemDecoder = (imagem: string) => {
    let s = "";
    try {
      if (Base64.btoa(Base64.atob(imagem)) == imagem) {
        s = "data:image/jpeg;base64," + Base64.atob(Base64.btoa(imagem));
      }
      s = "data:image/png;base64," + Base64.atob(imagem);
    } catch {
      s = "data:image/jpeg;base64," + Base64.atob(Base64.btoa(imagem));
    }
    return s;
  }

  const Imagem = ({ item }: RenderItemProps) => (
    ImagemDecoder(item.imagem)
  );
```

List

List

```typescript
  useEffect(() => {
    fetchData();
  }, []);

  const ImagemDecoder = (imagem: string) => {
    let s = "";
    try {
      if (Base64.btoa(Base64.atob(imagem)) == imagem) {
        s = "data:image/jpeg;base64," + Base64.atob(Base64.btoa(imagem));
      }
      s = "data:image/png;base64," + Base64.atob(imagem);
    } catch {
      s = "data:image/jpeg;base64," + Base64.atob(Base64.btoa(imagem));
    }
    return s;
  }

  const Imagem = ({ item }: RenderItemProps) => (
    ImagemDecoder(item.imagem)
  );

  const renderItem = ({ item }: RenderItemProps) => (
    <View style={styles.listItem}>
      <View style={{ flex: 1 }}>
        <Text style={{ textAlign: "center", fontWeight: "bold", fontSize: 20, paddin
>{item.descricao}</Text>
        <Text style={{ textAlign: "center" }}>Nível: {item.badgeNivel.descricao}</Te
        <Image source={{ uri: Imagem({ item }) }} style={styles.logo} />
      </View>
    </View>
  );

  return (
    <SafeAreaView style={styles.container}>
      <FlatList
        data={data}
        renderItem={renderItem}
      />
```

List

```tsx
  const Imagem = ({ item }: RenderItemProps) => (
    ImagemDecoder(item.imagem)
  );

  const renderItem = ({ item }: RenderItemProps) => (
    <View style={styles.listItem}>
      <View style={{ flex: 1 }}>
        <Text style={{ textAlign: "center", fontWeight: "bold", fontSize: 20, paddi
>{item.descricao}</Text>
        <Text style={{ textAlign: "center" }}>Nível: {item.badgeNivel.descricao}</T
        <Image source={{ uri: Imagem({ item }) }} style={styles.logo} />
      </View>
    </View>
  );

  return (
    <SafeAreaView style={styles.container}>
      <FlatList
        data={data}
        renderItem={renderItem}
      />
    </SafeAreaView>
  );
};

const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: '#F7F7F7',
    marginTop: 60
  },
  listItem: {
    margin: 10,
    padding: 10,
    backgroundColor: "#FFF",
    width: "80%",
    flex: 1,
    alignSelf: "center",
```

```tsx
      return (
        <SafeAreaView style={styles.container}>
          <FlatList
            data={data}
            renderItem={renderItem}
          />
        </SafeAreaView>
      );
    };

    const styles = StyleSheet.create({
      container: {
        flex: 1,
        backgroundColor: '#F7F7F7',
        marginTop: 60
      },
      listItem: {
        margin: 10,
        padding: 10,
        backgroundColor: "#FFF",
        width: "80%",
        flex: 1,
        alignSelf: "center",
        flexDirection: "row",
        borderRadius: 5
      },
      tinyLogo: {
        flex: 1,
        alignSelf: "center",
        resizeMode: "contain"
      },
      logo: {
        width: 60,
        height: 60,
      }
    });
```

TS List

```
import React, { useState, useEffect } from "react";
import { SafeAreaView, Text, FlatList, StyleSheet, Image, View, Button} from "react-native";
import Base64 from 'Base64';
import {Post} from './Post.js';

export default function List ({navigation}) {
  const [data, setData] = useState([]);

  const fetchData = async () => {
    const resp = await fetch("http://academico3.rj.senac.br:8080/api/Badge");
    const data = await resp.json();
    setData(data);
  };

  useEffect(() => {
    fetchData();
  }, []);

  ImagemDecoder = (imagem) => {
    try{
      if(Base64.btoa(Base64.atob(imagem))==imagem)
        s= "data:image/jpeg;base64," +  Base64.atob(Base64.btoa(imagem))
      s= "data:image/png;base64," +  Base64.atob(imagem)
    }catch{
      s= "data:image/jpeg;base64," +  Base64.atob(Base64.btoa(imagem))
    }
    return s;
  }

  const Imagem = ({item}) => (
    ImagemDecoder(item.imagem)
  );

  const renderItem =
    ({ item }) => (
    <View style={styles.listItem}>
      <View style={{flex:1}}>
        <Text style={{textAlign:"center", fontWeight:"bold", fontSize:20, paddingBottom: 10}}
>{item.descricao}</Text>
        <Text style={{textAlign:"center"}}>Nível: {item.badgeNivel.descricao}</Text>
        <Image source={{uri: Imagem({item})}} style={styles.logo} />
```

```javascript
ImagemDecoder = (imagem) => {
  try{
    if(Base64.btoa(Base64.atob(imagem))==imagem)
      s= "data:image/jpeg;base64," +  Base64.atob(Base64.btoa(imagem))
    s= "data:image/png;base64," +  Base64.atob(imagem)
  }catch{
    s= "data:image/jpeg;base64," +  Base64.atob(Base64.btoa(imagem))
  }
  return s;
}

const Imagem = ({item}) => (
  ImagemDecoder(item.imagem)
);

const renderItem =
  ({ item }) => (
  <View style={styles.listItem}>
    <View style={{flex:1}}>
      <Text style={{textAlign:"center", fontWeight:"bold", fontSize:20, paddingBottom: 10}}
>{item.descricao}</Text>
      <Text style={{textAlign:"center"}}>Nível: {item.badgeNivel.descricao}</Text>
      <Image source={{uri: Imagem({item})}} style={styles.logo} />
    </View>
  </View>
);

return (
  <SafeAreaView style={styles.container}>
        <FlatList
          data={data}
          renderItem={renderItem}
        />
  </SafeAreaView>
);
};

const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: '#F7F7F7',
```

List

```javascript
      const Imagem = ({item}) => (
        ImagemDecoder(item.imagem)
      );

      const renderItem =
        ({ item }) => (
        <View style={styles.listItem}>
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            <Text style={{textAlign:"center", fontWeight:"bold", fontSize:20, paddingBottom: 10}
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            <Image source={{uri: Imagem({item})}} style={styles.logo} />
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        </View>
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    };

    const styles = StyleSheet.create({
        container: {
            flex: 1,
            backgroundColor: '#F7F7F7',
            marginTop:60
        },
        listItem:{
          margin:10,
          padding:10,
          backgroundColor:"#FFF",
          width:"80%",
          flex:1,
          alignSelf:"center",
          flexDirection:"row",
          borderRadius:5
```

List

```javascript
      return (
        <SafeAreaView style={styles.container}>
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              data={data}
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            alignSelf:"center",
            flexDirection:"row",
            borderRadius:5
        },
        tinyLogo: {
            flex:1,
            alignSelf:"center",
            resizeMode: "contain"
        },
        logo: {
            width: 60,
            height: 60,
        }
    });
```
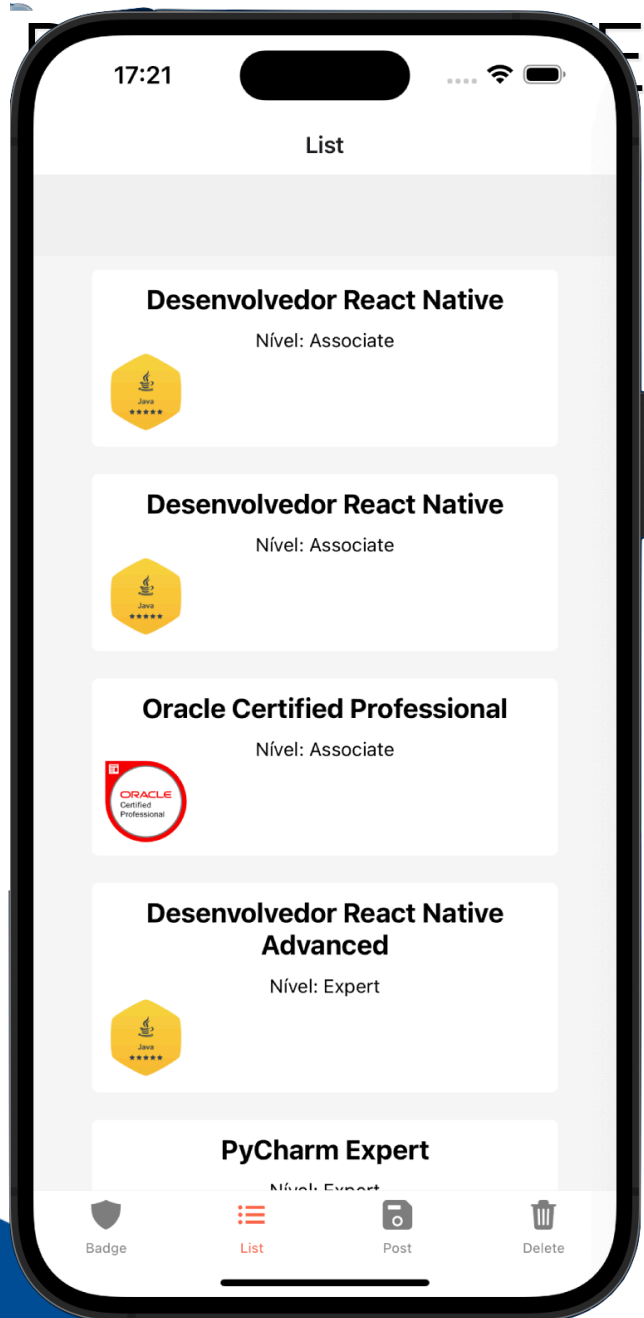
JS List