Quarto dia

☑ ~~Instalando Expo~~

pasta "aulas"

```
npm install -g expo-cli
```

No meu eu não consegui com esse por erro de permissão, então usei o seguinte command:

```
sudo npm install expo-cli -g --unsafe-perm
```

☑ ~~Criando projeto React Native~~

expo init e nome da aplicação

```
expo init mobile-beTheHero

  cd mobile-beTheHero

  code .
```

☑ ~~Executando projeto~~

No terminal

```
brew install yarn

  yarn start
```

☑ ~~No celular~~

Abrir aplicativo Expo e scanear o QR Code

☑ ~~Emuladores~~

https://www.youtube.com/watch?v=eSjFDWYkdxM&vl=en

☑ ~~Expo Snack (Para compuadores muito fracos)~~

https://snack.expo.io/

☑ ~~Diferenças para o ReactJS~~

☑ ~~Elementos HTML~~

As tags são diferentes, basicamente só usamos DIVs e qualquer coisa que for texto, na tag <Text>

<div> <section> <header>= <View>

\<h1\>\<p\> = \<Text\>

☑ ~~Semântica~~

Não existe discriminação das tags para diferenciar

☑ ~~Estilização~~

Toda \<View\> tem um objeto style, que serve para o CSS

☑ ~~Flexbox~~

Por padrão tudo no React Native ja vem com

`display: 'flex'`

☑ ~~Propriedades~~

na parte de estilização, não possui hifen e tudo que não for número precisa ter aspas

HTML:

background-color: #fff

React Native:

backgroundColor: '#fff'

☑ ~~Herança de estilos~~

as informações não herdam, por exemplo:

```
export default function App() {
    return (
      <View style={styles.container}>
        <Text>Hello World</Text>
      </View>
    );
  }

  const styles = StyleSheet.create({
    container: {
      flex: 1,
      backgroundColor: '#7159c1',
      alignItems: 'center',
      justifyContent: 'center',
    },
  });
```

Se eu colocar alguma coisa referente a texto, dentro dessa Styles, não vai funcionar

☑ ~~Estilização própria~~

Então teria que criar um objeto específico para texto pra funcionar:

```
export default function App() {
    return (
      <View style={styles.container}>
```

```
        <Text style={styles.title}>Hello World</Text>
      </View>
    );
  }

  const styles = StyleSheet.create({
    container: {
      flex: 1,
      backgroundColor: '#7159c1',
      alignItems: 'center',
      justifyContent: 'center',
    },

    title: {
        color: '#FFF',
        fontSize: 20,
        fontWeight:'bold'
      },
  });
```

☑ ~~Estrutura de pastas~~

☑ ~~Ícone e Splash Screen~~

Colocar o icon e splash dentro da pasta assets e ajustar o background color na app.json para #E02041

☑ ~~Configurando navegação~~

https://docs.expo.io/versions/latest/

procurar por routing

https://reactnavigation.org/

ir em Read Docs

ir no terminal

```
  npm install @react-navigation/native

    E depois:

    expo install react-native-gesture-handler react-native-reanimated react-native-screens react-native-safe-area-context @reac

    e depois

    npm install @react-navigation/stack


    //****************
    // Tive um problema e fiz isso aqui:

    yarn add @react-navigation/native

    e

    sudo expo install react-native-gesture-handler react-native-reanimated react-native-screens react-native-safe-area-context

    AGORA SEMPRE ABRIR COM

    npm start
```

☑ ~~Página de casos~~

Criamos a pasta Pages e dentro delas outras duas pastas, Incidents e Detail

Cada uma com um arquivo index.js e styles.js

Também criar o arquivo Routes.js

```
import React from 'react'
    import{ NavigationContainer } from '@react-navigation/native'
    import{ createStackNavigator } from '@react-navigation/stack'

    const AppStack = createStackNavigator()

    import Incidents from './pages/Incidents'
    import Detail from './pages/Detail'

    export default function Routes(){
        return(
            <NavigationContainer>

                <AppStack.Navigator screenOptions={{headerShown: false}}>
                    <AppStack.Screen name="Incidents" component={Incidents}/>
                    <AppStack.Screen name="Detail" component={Detail}/>
                </AppStack.Navigator>


            </NavigationContainer>
        )
    }
```

Após isso, um NPM START no terminal

Criei pasta assets, DENTRO DA SRC

Coloquei os logos

Fizemos os arquivos (dentro de incidents)

index.js

```
import React from 'react'
    import {Feather} from '@expo/vector-icons'
    import {useNavigation} from '@react-navigation/native'
    import {View, FlatList, Image, Text, TouchableOpacity} from 'react-native'

    import logoImg from '../../assets/logo.png'

    import styles from './styles'

    export default function Incidents(){

        const navigation = useNavigation()

        function navigateToDetail(){
            navigation.navigate('Detail')
        }

        return(

            <View style={styles.container}>
                <View style={styles.header}>
                    <Image source={logoImg} />
                    <Text style ={styles.headerText}>
                        Total de <Text style={styles.headerTextBold}> 0 casos</Text>
                    </Text>
                </View>

                <Text style={styles.title}>Bem-vindo!</Text>
                <Text style={styles.description}>Escolha um dos casos abaixo e salve o dia.</Text>


                <FlatList
                    data={[1,2,3]}
                    style={styles.incidentList}
                    keyExtractor={incident => String(incident)}
                    showsVerticalScrollIndicator={false}
                    renderItem={()=>(
                        <View style={styles.incident}>

                        <Text style={styles.incidentProperty}>ONG:</Text>
                        <Text style={styles.incidentValue}>APAD</Text>

                        <Text style={styles.incidentProperty}>CASO:</Text>
                        <Text style={styles.incidentValue}>Cadelinha atropelada</Text>

                        <Text style={styles.incidentProperty}>VALOR:</Text>
                        <Text style={styles.incidentValue}>R$ 120,00</Text>
```

```
                  <TouchableOpacity
                      style={styles.detailsButton}
                      onPress={navigateToDetail}
                  >
                      <Text style={styles.detailsButtonText}>Ver mais detalhes</Text>
                      <Feather name={"arrow-right"} size={16} color={"#E02041"} />

                  </TouchableOpacity>

              </View>

          )}
      />

    </View>
  )
}
```

styles.js

```
import {StyleSheet } from 'react-native'
import Constants from 'expo-constants'

export default StyleSheet.create({
    container:{
        flex: 1,
        paddingHorizontal: 24,
        paddingTop: Constants.statusBarHeight + 20,
    },

    header: {
        flexDirection: 'row',
        justifyContent: 'space-between',
        alignItems: 'center'
    },

    headerText:{
        fontSize: 15,
        color: '#737380'
    },

    headerTextBold:{
        fontWeight: 'bold'
    },

    title:{
        fontSize: 30,
        marginBottom: 16,
        marginTop: 48,
        color: '#13131a',
        fontWeight: 'bold'
    },

    description:{
        fontSize: 16,
        lineHeight: 26,
        color: '#737380'
    },


    incidentList:{
        marginTop: 32,
    },

    incident:{
        padding:24,
        borderRadius:8,
        backgroundColor: '#FFF',
        marginBottom: 16
    },

    incidentProperty:{
        fontSize: 14,
        color: '#41414d',
        fontWeight:'bold'
    },

    incidentValue:{
        marginTop: 8,
        fontSize: 15,
        marginBottom: 24,
        color: '#737380'
    },
```

```
    detailsButton:{
        flexDirection: 'row',
        justifyContent: 'space-between',
        alignItems: 'center'
    },

    detailsButtonText:{
        color: '#e02041',
        fontSize: 15,
        fontWeight: 'bold'
    }

})
```

No terminal:

```
expo install expo-constants
```

REFERENTE A NAVEGAÇÃO

```
Importar isso aqui:

    import {useNavigation} from '@react-navigation/native'


    Criar essa funcao

    export default function Incidents(){

        const navigation = useNavigation()

        function navigateToDetail(){
            navigation.navigate('Detail') //Nome dado da routes.js
        }


    e no botão, colocar isso aqui:

        <TouchableOpacity
            style={styles.detailsButton}
            onPress={navigateToDetail}
        >
```

☑ ~~Detalhe do caso~~

Desenvolver index.js do Detail:

```
import React from 'react'
    import { Feather } from '@expo/vector-icons'
    import {useNavigation} from '@react-navigation/native'
    import {View, Text,Image, TouchableOpacity} from 'react-native'

    import logoImg from '../../assets/logo.png'

    import styles from './styles'

    export default function Detail(){

        const navigation = useNavigation()
        function navigateBack(){
            navigation.goBack('Incidents')
        }

        function sendMail(){

        }

        function sendWhatsapp(){
```

```
        }

        return(
            <View style={styles.container}>
                <View style={styles.header}>
                    <Image source={logoImg} />

                    <TouchableOpacity onPress={navigateBack}>
                        <Feather name='arrow-left' size={28} color="#e82041" />
                    </TouchableOpacity>

                </View>

                <View style={styles.incident}>

                    <Text style={[[styles.incidentProperty,{marginTop: 0}]]}>ONG:</Text>
                    <Text style={styles.incidentValue}>APAD</Text>

                    <Text style={styles.incidentProperty}>CASO:</Text>
                    <Text style={styles.incidentValue}>Cadelinha atropelada</Text>

                    <Text style={styles.incidentProperty}>VALOR:</Text>
                    <Text style={styles.incidentValue}>R$ 120,00</Text>


                </View>

                <View style={styles.contactBox}>

                    <Text style={styles.heroTitle}>Salve o dia!</Text>
                    <Text style={styles.heroTitle}>Seja o herói desse caso.</Text>

                    <Text style={styles.heroDescription}>Entre em contato:</Text>

                    <View style={styles.actions}>
                        <TouchableOpacity style={styles.action} onPress={()=> {}}>
                            <Text style={styles.actionText}>WhatsApp</Text>
                        </TouchableOpacity>

                        <TouchableOpacity style={styles.action} onPress={()=> {}}>
                            <Text style={styles.actionText}>E-mail</Text>
                        </TouchableOpacity>

                    </View>

                </View>


            </View>
        )
    }
```

E Styles.js

```
import { StyleSheet } from 'react-native'
    import Constants from 'expo-constants'

    export default StyleSheet.create({
        container: {
            flex:1,
            paddingHorizontal: 24,
            paddingTop: Constants.statusBarHeight + 20

        },

        header : {
            flexDirection: 'row',
            justifyContent: 'space-between',
            alignItems: 'center',

        },

        incident:{
            padding:24,
            borderRadius:8,
            backgroundColor: '#FFF',
            marginBottom: 16,
            marginTop: 48,
        },

        incidentProperty:{
```

```
        fontSize: 14,
        color: '#41414d',
        fontWeight:'bold',
        marginTop: 24,
    },

    incidentValue:{
        marginTop: 8,
        fontSize: 15,

        color: '#737380'
    },

    contactBox:{
        padding:24,
        borderRadius:8,
        backgroundColor: '#FFF',
        marginBottom: 16,
    },

    heroTitle:{
        fontWeight: 'bold',
        fontSize: 20,
        color: '#13131a',
        lineHeight: 30
    },

    heroDescription:{
        fontSize: 15,
        color: '#737380',
        marginTop: 16,
    },

    actions:{
        marginTop: 16,
        flexDirection: 'row',
        justifyContent: 'space-between'
    },

    action:{
        backgroundColor: '#e02041',
        borderRadius: 8,
        height: 50,
        width: '48%',
        justifyContent: 'center',
        alignItems: 'center',

    },

    actionText:{
        color: '#FFF',
        fontSize: 15,
        fontWeight: 'bold'
    }

})
```

✅ ~~Abrindo WhatsApp & E-mail~~

Para fazer a parte do email:

```
// no terminal
expo install expo-mail-composer
```

No código:

```
import * as MailComposer from 'expo-mail-composer'
   --

   const message = 'Olá APAD, estou entrando em contato pois gostaria de ajudar no caso "Cadelinha Atropelada" com o valor de

   --

   function sendMail(){
         MailComposer.composeAsync({
              subject: 'Herói do Caso: Cadelinha atropelada',
              recipients: ['matheus.ikenaga@hotmail.com'],
              body: message
         })
      }

   --

   <TouchableOpacity style={styles.action} onPress={sendMail}>
                      <Text style={styles.actionText}>E-mail</Text>
                  </TouchableOpacity>
```

WOW!!!!

Para o WhatsApp:

```
import {View, Text,Image, TouchableOpacity, Linking} from 'react-native'


   --
   function sendWhatsapp(){
         Linking.openURL(`whatsapp://send?phone=5511983917083&text=${message}`)
      }

   --

   <TouchableOpacity style={styles.action} onPress={sendWhatsapp}>
     <Text style={styles.actionText}>WhatsApp</Text>
   </TouchableOpacity>
```

☐ Conexão com a API

No terminal abrir pasta de backend

```
npm start
```

Na pasta do mobile (terminal)

```
sudo npm install axios
```

Criar dentro de SRC a pasta SERVICES

Criar arquivo API.js

```
import axios from 'axios'

   const api = axios.create({
       baseURL: 'http://192.168.0.6:3333'
   })

   export default api
```

Depois no arquivo Incidents/index.js

```
import React, {useEffect, useState} from 'react'
import {Feather} from '@expo/vector-icons'
import {useNavigation} from '@react-navigation/native'
import {View, FlatList, Image, Text, TouchableOpacity} from 'react-native'

import api from '../../services/api'

import logoImg from '../../assets/logo.png'

import styles from './styles'

export default function Incidents(){

    const [incidents, setIncidents] = useState([])
    const navigation = useNavigation()

    function navigateToDetail(){
        navigation.navigate('Detail')
    }

    async function loadIncidents(){
        const response = await api.get('incidents')

        setIncidents(response.data)
    }

    useEffect(()=> {
        loadIncidents()
    }, [])


    return(

        <View style={styles.container}>
            <View style={styles.header}>
                <Image source={logoImg} />
                <Text style ={styles.headerText}>
                    Total de <Text style={styles.headerTextBold}> 0 casos</Text>
                </Text>
            </View>

            <Text style={styles.title}>Bem-vindo!</Text>
            <Text style={styles.description}>Escolha um dos casos abaixo e salve o dia.</Text>


            <FlatList
                data={incidents}
                style={styles.incidentList}
                keyExtractor={incident => String(incident.id)}
                showsVerticalScrollIndicator={false}
                renderItem={({item: incident})=>(
                    <View style={styles.incident}>

                        <Text style={styles.incidentProperty}>ONG:</Text>
                        <Text style={styles.incidentValue}>{incident.name}</Text>

                        <Text style={styles.incidentProperty}>CASO:</Text>
                        <Text style={styles.incidentValue}>{incident.title}</Text>

                        <Text style={styles.incidentProperty}>VALOR:</Text>
                        <Text style={styles.incidentValue}>{incident.value}</Text>

                        <TouchableOpacity
                            style={styles.detailsButton}
                            onPress={navigateToDetail}
                        >
                            <Text style={styles.detailsButtonText}>Ver mais detalhes</Text>
                            <Feather name={"arrow-right"} size={16} color={"#E02041"} />

                        </TouchableOpacity>

                    </View>

                )}
            />

        </View>
    )
}
```

Pra formatar valores:

terminal aulas/mobile

```
sudo npm install intl
```

Depois no arquivo app.js

```
import 'intl'
   import 'intl/locale-data/jsonp/pt-BR'
```

Depois no Incidens/index.js

```
No campo de valor (dinheiro)

   <Text style={styles.incidentValue}>
     {Intl.NumberFormat('pt-BR', {
     style: 'currency',
     currency: 'BRL'
     }).format(incident.value)}
   </Text>
```

☐ Enviando projeto ao GitHub