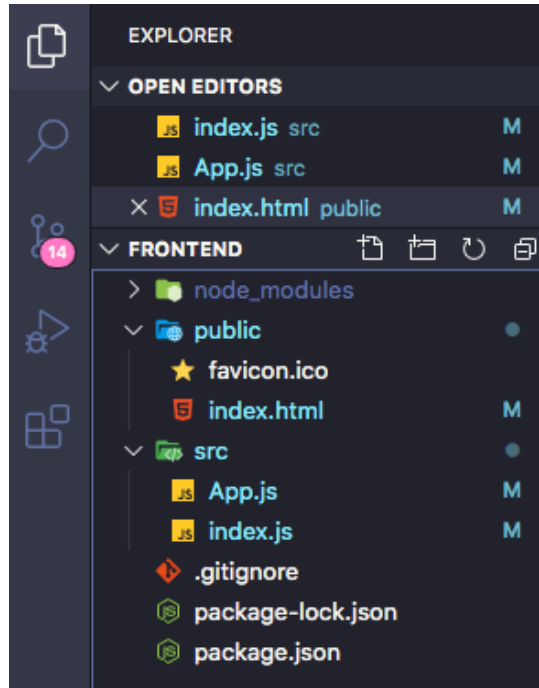


Terceiro dia

✓ Limpando estrutura

Foi retirado diversos arquivos e linhas de código desnecessárias, ficou dessa forma aqui:



O index.html ficou dessa forma:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <meta name="theme-color" content="#000000" />

    <title>Be The Hero</title>
  </head>
  <body>
    <noscript>You need to enable JavaScript to run this app.</noscript>
    <div id="root"></div>

  </body>
</html>
```

O App.js:

```
import React from 'react';

function App() {
  return (
    <h1> Hello World! </h1>
  );
}

export default App;
```

E o index.js assim:

```
import React from 'react';
import ReactDOM from 'react-dom';

import App from './App';

ReactDOM.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>,
  document.getElementById('root')
);
```

✓ Conceitos do React

No terminal, na pasta aulas/frontend, executar:

```
npm start
```

✓ Componente

É uma função que retorna XML (App.js), que é componente da index.js, que é chamada na index.html

✓ JSX

É o HTML preenchido dentro do JavaScript (JavaScript XML)

✓ Propriedades

Criamos o arquivo "Header.js" pqe vai ser utilizado em várias páginas e não em só 1

```
import React from 'react';

export default function Header (props) {
  return(
    <header>
      <h1>{props.title}</h1>
    </header>
  );
}

// { } chaves sao utilizadas para colocar código js
// no HTML
```

Atualizamos o arquivo App.js

```
import React from 'react';
import Header from './Header'

function App() {
  return (
    <Header title="Semana OmniStack"/>
  );
}

export default App;
```

Se eu quiser tudo o que tiver dentro de uma propriedade, por exemplo

```
<Header>
  teste123
</Header>
```

Posso utilizar dessa forma:

```
<h1>{props.children}</h1>
```

✓ Estado

O react não muda o estado por si só, ou seja, se fizermos um contador, a função irá atualizar o valor, porém não será atualizado na page, para isso importamos o {useState}

```
//app.js

import React, {useState} from 'react';
import Header from './Header'

function App() {
  let count = useState(0)

  function increment(){
    count ++
    console.log(count)
  }

  return (
    <div>
      <Header>Contador : {count}</Header>
      <button onClick={increment}>Incrementar</button>
    </div>
  );
}

export default App;
```

✓ Imutabilidade

Dentro do React, nós não podemos alterar uma variável de forma direta, é necessário sobrepor
O useState retorna um array, com [valor, funcaoDeAtualizacao]

```
import React, {useState} from 'react';
import Header from './Header'

function App() {
  const [count, setCounter] = useState(0)
  // useState retorna array [valor, funcaoDeAtualizacao]

  function increment(){
    setCounter(count + 1)
  }

  return (
    <div>
      <Header>Contador : {count}</Header>
      <button onClick={increment}>Incrementar</button>
    </div>
  );
}

export default App;
```

✓ Página de login

Colocamos a pasta Assets dentro de frontend/src/

E criamos a pasta pages e seus arquivos

Cmd + Shift + P

→ Preferences: Open Settings (JSON)

Adicionar isso:

```
"emmet.syntaxProfiles": {"javascript": "jsx"},  
"emmet.includeLanguages" : {"javascript": "javascriptreact"}
```

Agora no index.js

Da pra colocar um

```
div.logon-container  
  
// Que o VS Code automaticamente vai fazer isso:  
  
<div className="logon-container"></div>
```

Para adicionar ícones → Terminal:

```
nom install react-icons
```

importar no arquivo:

```
import { FiLogin } from 'react-icons/fi'
```

Criadas:

Index.js (localhost:3000/)

```
import React from 'react'  
import { FiLogin } from 'react-icons/fi'  
  
import './styles.css'  
  
import heroesImg from '../assets/heroes.png'  
import logoImg from '../assets/logo.svg'  
  
export default function Logon(){  
  return(  
    <div className="logon-container">  
      <section className="form">  
        <img src={logoImg} alt="Be The Hero"/>  
  
        <form>  
          <h1>Faça seu Logon</h1>  
  
          <input placeholder = "Sua ID"/>  
          <button className="button" type="submit">Entrar</button>  
  
          <a href="/register">  
            <FiLogin size={16} color="#E02041"/>  
            Não tenho cadastro  
          </a>  
  
        </form>  
  
      </section>  
  
      <img src={heroesImg} alt="Heroes"/>  
    </div>
```

```
)
}
```

Style.css (localhost:3000/)

```
.logon-container{
  width: 100%;
  max-width: 1120px;
  height: 100vh;
  margin: 0 auto;

  display: flex;
  align-items: center; /*Alinha Vertical*/
  justify-items: center;
}

.logon-container section.form{
  width: 100%;
  max-width: 350px;
  margin-right: 506px;
}

.logon-container section.form form{
  margin-top: 100px;
}

.logon-container section.form form h1{
  font-size: 32px;
  margin-bottom: 32px;
}

.logon-container section.form form a{
  display: flex;
  align-items: center;
  margin-top: 40px;
  color: #41414d;
  font-size: 18px;
  text-decoration: none;
  font-weight: 500;
  transition: opacity 0.2s;
}

.logon-container section.form form a svg{
  margin-right: 8px;
}

.logon-container section.form form a:hover{
  opacity: 0.8;
}
```

Global.css

```
@import url('https://fonts.googleapis.com/css?family=Roboto:400,500,700&display=swap');

*{
  margin:0;
  padding: 0;
  outline: 0;
  box-sizing: border-box;
}

body{
  font: 400 14px Roboto, sans-serif;
  background: #f0f0f5;
  -webkit-font-smoothing: antialiased;
}

input, button, textarea{
  font: 400 18px Roboto, sans-serif;
}

button {
  cursor: pointer;
}
```

```

}

form input{
  width: 100%;
  height: 60px;
  color: #333;
  border: 1px solid;
  border-radius: 8px;
  padding: 0 24px;
}

.button{
  width:100%;
  height: 60px;
  background: #e02041;
  border: 0;
  border-radius: 8px;
  color: #fff;
  font-weight: 700;
  margin-top: 16px;
  display: inline-block;
  text-align: center;
  text-decoration: none;
  font-size: 18px;
  line-height: 60px;
  transition: 0.2s;
}

.button:hover{
  filter: brightness(90%);
}

```

App.js

```

import React from 'react';
import Logon from './pages/Logon'
import './global.css'

function App() {
  return (
    <Logon/>
  );
}

export default App;

```

✓ Configurando rotas

Terminal →

```
npm install react-router-dom
```

Criar na pasta raiz / aulas/frontend/src o arquivo Routes.js

```

import React from 'react'
import { BrowserRouter, Route, Switch } from 'react-router-dom'

import Logon from './pages/Logon'

export default function Routes(){

```

```

    return(
      <BrowserRouter>
        <Switch>
          <Route path="/" component={Logon}/>
        </Switch>
      </BrowserRouter>
    )
  }
}

```

Alterar no App.js:

```

import React from 'react';

import './global.css'

import Routes from './routes'

function App() {
  return (
    <Routes/>
  );
}

export default App;

```

☒ Cadastro de ONGs

Criar uma pasta dentro da pasta pages "Register" e seus arquivos index.js e styles.css

index.js localhost:3000/register

```

import React from 'react'
import {Link} from 'react-router-dom'
import {FiArrowLeft} from 'react-icons/fi'

import logoImg from '../assets/logo.svg'
import './styles.css'

export default function Register(){
  return (

    <div className="register-container">
      <div className="content">
        <section>
          <img src={logoImg} alt="Be The Hero"/>

          <h1>Cadastro</h1>
          <p>Faça seu cadastro, entre na plataforma e ajude pessoas a encontrarem os casos da sua ONG.</p>

          <Link className="back-link" to="/">
            <FiArrowLeft size={16} color="#E02041"/>
            Não tenho cadastro
          </Link>

        </section>

        <form>
          <input placeholder="Nome da ONG"/>
          <input type="email" placeholder="E-mail"/>
          <input placeholder="WhatsApp"/>

          <div className="input-group">
            <input placeholder="Cidade"/>
            <input placeholder="UF" style={{ width: 80 }}/>
          </div>
        </form>
      </div>
    </div>
  )
}

```

```

        <button className="button" type="submit">Cadastar</button>
      </form>
    </div>
  </div>
)
}

```

style.css localhost:3000/register

```

.register-container{
  width: 100%;
  max-width: 1120px;
  height: 100vh;
  margin: 0 auto;

  display: flex;
  align-items: center; /*Alinha Vertical*/
  justify-items: center;
}

.register-container .content{
  width: 100%;
  padding: 96px;
  background: #f0f0f5;
  box-shadow: 0 0 100px rgba(0,0,0,0.1);
  border-radius: 8px;

  display: flex;
  justify-content: space-between;
  align-items: center;
}

.register-container .content section{
  width: 100%;
  max-width: 380px;
}

.register-container .content section h1{
  margin: 64px 0 32px ;
  font-size: 32px;
}

.register-container .content section p{
  font-size: 18px;
  color: #737380;
  line-height: 32px;
}

.register-container .content form{
  width: 90%;
  max-width: 450px;
}

.register-container .content form input{
  margin-top: 8px;
}

.register-container .content form .input-group{
  display: flex;
}

.register-container .content form .input-group input + input{
  margin-left: 8px;
}

```

✓ Listagem de casos

Criar uma pasta dentro da pasta pages "profile" e seus arquivos index.js e styles.css

index.js localhost:3000/profile

```
import React from 'react'
import logoImg from '../assets/logo.svg'
import {Link} from 'react-router-dom'
import {FiPower, FiTrash2} from 'react-icons/fi'

import './styles.css'

export default function(){
  return (
    <div className="profile-container">
      <header>
        <img src={logoImg} alt="Be The Hero"/>
        <span>Bem Vinda, APAD</span>

        <Link className="button" to="/incidents/new">Cadastrar novo caso</Link>
        <button type="button">
          <FiPower size={18} color="#E02041"/>
        </button>
      </header>

      <h1>Casos cadastrados</h1>

      <ul>
        <li>
          <strong>CASO:</strong>
          <p>Caso teste</p>

          <strong>DESCRIÇÃO:</strong>
          <p>Descrição teste</p>

          <strong>VALOR:</strong>
          <p>R$ 120,00</p>

          <button type="button">
            <FiTrash2 size={20} color="#a8a8b3" />
          </button>
        </li>

        <li>
          <strong>CASO:</strong>
          <p>Caso teste</p>

          <strong>DESCRIÇÃO:</strong>
          <p>Descrição teste</p>

          <strong>VALOR:</strong>
          <p>R$ 120,00</p>

          <button type="button">
            <FiTrash2 size={20} color="#a8a8b3" />
          </button>
        </li>

        <li>
          <strong>CASO:</strong>
          <p>Caso teste</p>

          <strong>DESCRIÇÃO:</strong>
          <p>Descrição teste</p>

          <strong>VALOR:</strong>
          <p>R$ 120,00</p>

          <button type="button">
            <FiTrash2 size={20} color="#a8a8b3" />
          </button>
        </li>

        <li>
          <strong>CASO:</strong>

```

```

                <p>Caso teste</p>

                <strong>DESCRIÇÃO:</strong>
                <p>Descrição teste</p>

                <strong>VALOR:</strong>
                <p>R$ 120,00</p>

                <button type="button">
                    <FiTrash2 size={20} color="#a8a8b3" />
                </button>

            </li>

        </ul>

    </div>
)
}

```

style.css localhost:3000/profile

```

.profile-container{
    width: 100%;
    max-width: 1180px;
    padding: 0 30px;
    margin: 32px auto;
}

.profile-container header{
    display: flex;
    align-items: center;
}

.profile-container header span {
    font-size: 20px;
    margin-left: 24px;
}

.profile-container header img{
    height: 64px;
}

.profile-container header a{
    width: 260px;
    margin-left: auto;
    margin-top: 0;
}

.profile-container header button{
    height: 60px;
    width: 60px;
    border-radius: 4px;
    border: 1px solid #dcdce6;
    background: transparent;
    margin-left: 16px;
    transition: border-color 0.2s;
}

.profile-container header button:hover{
    border-color: #999;
}

.profile-container h1{
    margin-top: 80px;
    margin-bottom: 24px;
}

.profile-container ul {
    display: grid;
    grid-template-columns: repeat(2, 1fr);
    grid-gap: 24px;
    list-style: none;
}

```

```

.profile-container ul li {
  background: #FFF;
  padding: 24px;
  border-radius: 8px;
  position: relative;
}

.profile-container ul li button{
  position: absolute;
  right: 24px;
  top: 24px;
  border: 0;
}

.profile-container ul li button:hover{
  opacity: 80%;
}

.profile-container ul li strong{
  display: block;
  margin-bottom: 16px;
  color: #41414d;
}

.profile-container ul li p + strong{
  margin-top: 32px;
}

.profile-container ul li p{
  color: #737380;
  line-height: 21px;
  font-size: 16px;
}

```

✓ Cadastro de um novo caso

Criar uma pasta dentro da pasta pages "NewIncident" e seus arquivos index.js e styles.css

index.js localhost:3000/incidents/new

```

import React from 'react'
import {Link} from 'react-router-dom'
import {FiArrowLeft} from 'react-icons/fi'

import logoImg from '../../assets/logo.svg'
import './styles.css'

export default function NewIncident(){
  return (
    <div className="new-incident-container">
      <div className="content">
        <section>
          <img src={logoImg} alt="Be The Hero"/>

          <h1>Cadastrar novo caso</h1>
          <p>Descreva o caso detalhadamente para encontrar um herói para resolver isso</p>

          <Link className="back-link" to="/profile">
            <FiArrowLeft size={16} color="#E02041"/>
            Voltar para Home
          </Link>

        </section>

        <form>
          <input placeholder="Título do Caso"/>
          <textarea placeholder="Descrição"/>

```

```

        <input placeholder="Valor em Reais"/>

        <button className="button" type="submit">Cadastrar</button>
      </form>
    </div>
  </div>
)
}

```

style.css localhost:3000/incidents/new

```

.new-incident-container{
  width: 100%;
  max-width: 1120px;
  height: 100vh;
  margin: 0 auto;

  display: flex;
  align-items: center; /*Alinha Vertical*/
  justify-items: center;
}

.new-incident-container .content{
  width: 100%;
  padding: 96px;
  background: #f0f0f5;
  box-shadow: 0 0 100px rgba(0,0,0,0.1);
  border-radius: 8px;

  display: flex;
  justify-content: space-between;
  align-items: center;
}

.new-incident-container .content section{
  width: 100%;
  max-width: 380px;
}

.new-incident-container .content section h1{
  margin: 64px 0 32px ;
  font-size: 32px;
}

.new-incident-container .content section p{
  font-size: 18px;
  color: #737380;
  line-height: 32px;
}

.new-incident-container .content form{
  width: 90%;
  max-width: 450px;
}

.new-incident-container .content form input,
.new-incident-container .content form textarea{
  margin-top: 8px;
}

```

Atualizar routes.js

```

import React from 'react'
import { BrowserRouter, Route, Switch } from 'react-router-dom'

import Logon from './pages/Logon'
import Register from './pages/Register'
import Profile from './pages/Profile'
import NewIncident from './pages/NewIncident'

export default function Routes(){
  return(
    <BrowserRouter>
      <Switch>
        <Route path="/" exact component={Logon}/>
        <Route path="/register" component={Register}/>
        <Route path="/profile" component={Profile}/>
        <Route path="/incidents/new" component={NewIncident}/>
      </Switch>
    </BrowserRouter>
  )
}

```

Atualizar global.css

```

@import url('https://fonts.googleapis.com/css?family=Roboto:400,500,700&display=swap');

*{
  margin:0;
  padding: 0;
  outline: 0;
  box-sizing: border-box;
}

body{
  font: 400 14px Roboto, sans-serif;
  background: #f0f0f5;
  -webkit-font-smoothing: antialiased;
}

input, button, textarea{
  font: 400 18px Roboto, sans-serif;
}

button {
  cursor: pointer;
}

form input{
  width: 100%;
  height: 60px;
  color: #333;
  border: 1px solid #dcdce6;
  border-radius: 8px;
  padding: 0 24px;
}

form textarea{
  width: 100%;
  resize: vertical;
  min-height: 140px;
  height: 60px;
  color: #333;
  border: 1px solid #dcdce6;
  border-radius: 8px;
  padding: 16px 24px;
  line-height: 24px;
}

.button{
  width:100%;
  height: 60px;
  background: #e02041;
  border: 0;
  border-radius: 8px;
  color: #fff;
  font-weight: 700;
}

```

```

margin-top: 16px;
display: inline-block;
text-align: center;
text-decoration: none;
font-size: 18px;
line-height: 60px;
transition: 0.2s;
}

.button:hover{
  filter: brightness(90%);
}

.back-link{
  display: flex;
  align-items: center;
  margin-top: 40px;
  color: #41414d;
  font-size: 18px;
  text-decoration: none;
  font-weight: 500;
  transition: opacity 0.2s;
}

.back-link svg{
  margin-right: 8px;
}

.back-link:hover{
  opacity: 0.8;
}

```

✓ Conectando aplicação à API

Ir até a pasta Backend no terminal e dar um `npm start`

Na pasta de frontend no terminal, dar um `npm install axios`

Dentro de src, criar uma pasta "Services" com arquivo api.js

```

import axios from 'axios'

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

export default api;

```

Agora nos arquivos, impostar esse arquivo:

Por exemplo, register (index.js)

```

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

//Colocar no arquivo:

import React, {useState} from 'react'
import {Link, useHistory} from 'react-router-dom'
import {FiArrowLeft} from 'react-icons/fi'

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

import logoImg from '../../assets/logo.svg'
import './styles.css'

export default function Register(){

  const [name, setName] = useState('')

```

```

const [email, setEmail] = useState('')
const [whatsapp, setWhatsapp] = useState('')
const [city, setCity] = useState('')
const [uf, setUf] = useState('')

const history = useHistory()

async function hadleRegister(e){
  e.preventDefault()

  const data ={
    name,
    email,
    whatsapp,
    city,
    uf,
  }

  try{
    const response = await api.post('ongs', data)
    alert(`Seu ID de acesso: ${response.data.id}`)
    history.push('/')
  }catch(err){
    alert('Erro no cadastro, tente novamente')
  }
}

return (
  <div className="register-container">
    <div className="content">
      <section>
        <img src={logoImg} alt="Be The Hero"/>

        <h1>Cadastro</h1>
        <p>Faça seu cadastro, entre na plataforma e ajude pessoas a encontrarem os casos da sua ONG.</p>

        <Link className="back-link" to="/">
          <FiArrowLeft size={16} color="#E02041"/>
          Não tenho cadastro
        </Link>
      </section>

      <form onSubmit={hadleRegister}>
        <input placeholder= "Nome da ONG"
          value={name}
          onChange={e => setName(e.target.value)}
        />

        <input type="email"
          placeholder="E-mail"
          value={email}
          onChange={e => setEmail(e.target.value)}
        />

        <input placeholder="WhatsApp"
          value={whatsapp}
          onChange={e => setWhatsapp(e.target.value)}
        />

        <div className="input-group">
          <input placeholder="Cidade"
            value={city}
            onChange={e => setCity(e.target.value)}
          />

          <input placeholder="UF"
            value={uf}
            onChange={e => setUf(e.target.value)}
            style={{ width: 80 }}
          />
        </div>

        <button className="button" type="submit">Cadastar</button>
      </form>
    </div>
  </div>
)

```

```
} )
```

☒ ~~Enviar projeto ao GitHub~~