



#01

Introdução ao React.js

requisitos mínimos

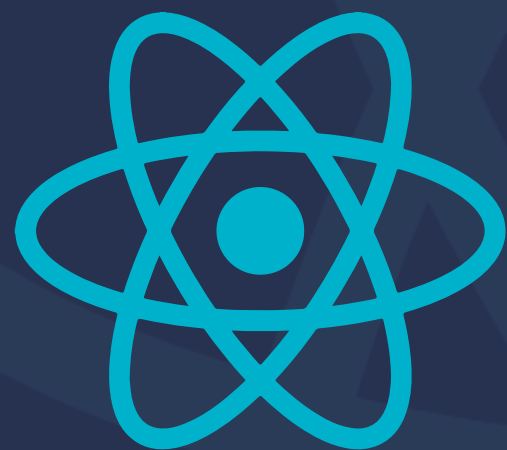
Conhecimento básico do seu SO

Conhecimento básico de HTML e CSS

Conhecimento básico de JS

Conhecimento básico do terminal





The background features a dark blue field with a large, faint, light blue geometric pattern. This pattern consists of multiple overlapping circles and arcs that intersect to form a series of interconnected, rounded, and elongated shapes, creating a complex, crystalline or molecular-like structure. The word "library" is centered horizontally and vertically within this pattern.

library



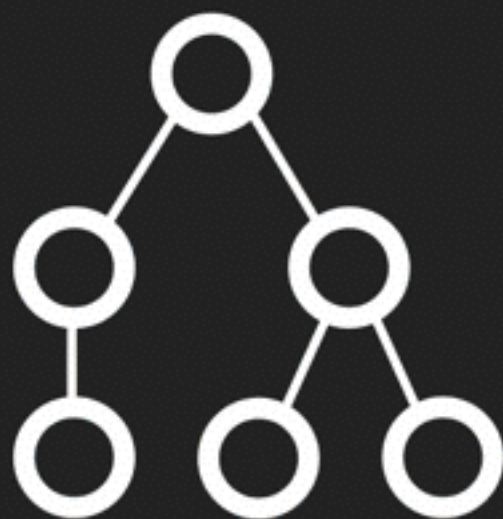
facebook



MVC



virtual dom



T-0



T-1



Diff T-0 T-1

VIRTUAL DOM



virtual dom tree



REAL DOM



real dom tree





components

separação dos componentes

Reuso de Código

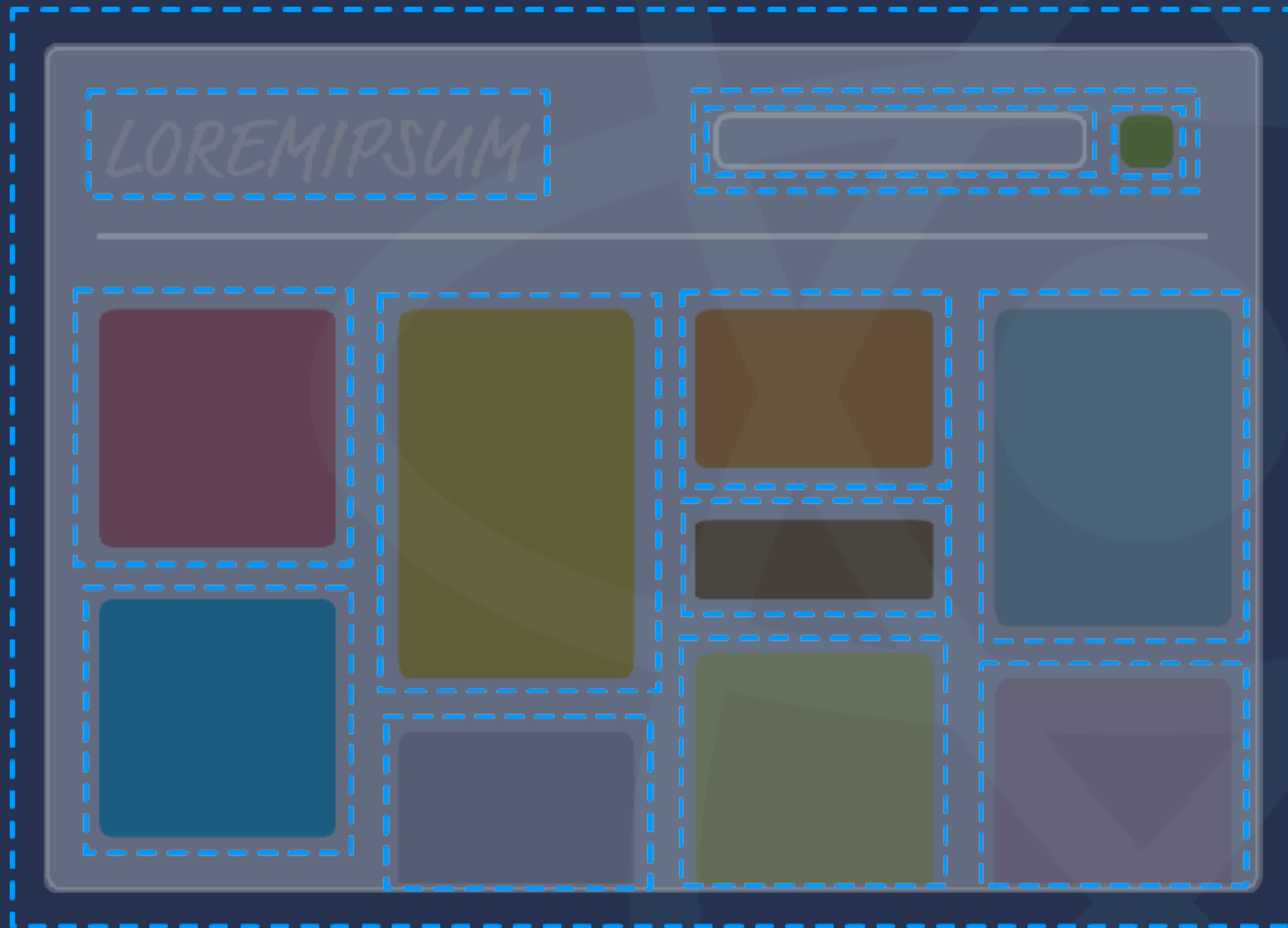
Testes

Confiabilidade

Agilidade no desenvolvimento

LOREMIPSUM





That's a lot of COMPONENTS!

criando um componente

```
class Header extends React.Component {  
  render() {  
    return React.createElement(  
      "div",  
      null,  
      "Logo"  
    );  
  }  
}  
  
ReactDOM.render(React.createElement(Header, null), document.getElementById('root'));
```


criando um componente

```
class Header extends React.Component {  
  render() {  
    return React.createElement(  
      "div",  
      null,  
      React.createElement(  
        "span",  
        null,  
        "Logo"  
      )  
    );  
  }  
}  
  
ReactDOM.render(React.createElement(Header, null), document.getElementById('root'));
```



JSX

```
class Header extends React.Component {  
  render() {  
    return (  
      <div>  
        <div>  
          Logo  
        </div>  
      </div>  
    );  
  }  
}
```

```
ReactDOM.render(  
  <Header />,  
  document.getElementById('root')  
);
```

```
1  import React from "react/addons"
2
3  export class Avatar extends React.Component {
4    render() {
5      <div>
6        <img src={this.props.src} width={this.props.width} height={this.props.height}>
7      </div>
8    }
9  }
10
11 export default class Profile extends React.Component {
12   render() {
13     return <div>
14       <Avatar
15         width={175}
16         height={175}
17         src="http://example.com/cdn/users/93387426.gif"
18       />
19       <h1> Angel R. Molina</h1>
20       <span>24, Nerd</span>
21     </div>
22   }
23 }
```



Angel R. Molina

24, Nerd

```

1  import React from "react/addons"
2
3  export class Avatar extends React.Component {
4    render() {
5      <div>
6        <img src={this.props.src} width={this.props.width} height={this.props.height}>
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19       <h1> Angel R. Molina</h1>
20       <span>24, Nerd</span>
21     </div>
22   }
23 }

```



Angel R. Molina

24, Nerd



coding

The background features a dark blue field with a large, faint, light blue geometric pattern. This pattern consists of multiple overlapping circles and arcs that intersect to form a series of interconnected, rounded, and elongated shapes, creating a complex, crystalline or molecular-like structure. The word "lifecycle" is centered horizontally and vertically within this pattern.

lifecycle

component**WillMount**()

component**DidMount**()

component**WillReceiveProps**()

shouldComponentUpdate()

component**WillUpdate**()

component**DidUpdate**()

component**WillUnmount**()

Mounting

component**WillMount**()

component**DidMount**()

Updating

component**WillReceiveProps**()

shouldComponentUpdate()

component**WillUpdate**()

component**DidUpdate**()

Unmounting

component**WillUnmount**()

Mounting

`getInitialState`



`componentWillMount`



`render`



`componentDidMount`

Updating

`componentWillReceiveProps`



`shouldComponentUpdate`



`componentWillUpdate`



`render`



`componentDidUpdate`

Unmounting

`componentWillUnmount`

<https://codepen.io/eduardoboucas/pen/jqWbdb>

state/props

Os estados (**state**) representam os dados mutáveis de nossa aplicação. As propriedades (**props**) são imutáveis.



coding



Web



React Native
Mobile (iOS / Android)



React VR

muuito obrigado

