

hroad

a dedicação é **singular** pra mim.



01



com amor, styled-components

02



CONTEXTO

React, React Native



DESAFIOS

Cotidianos e
Problemas.



MODELANDO

O exemplo

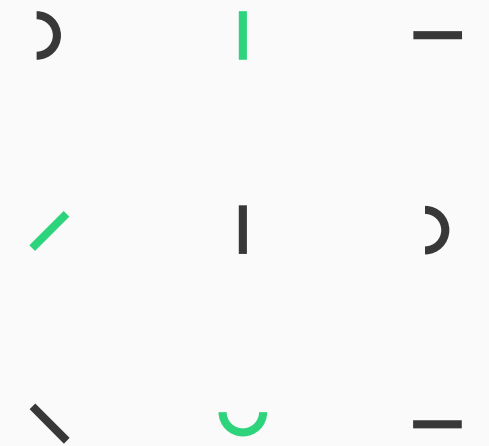
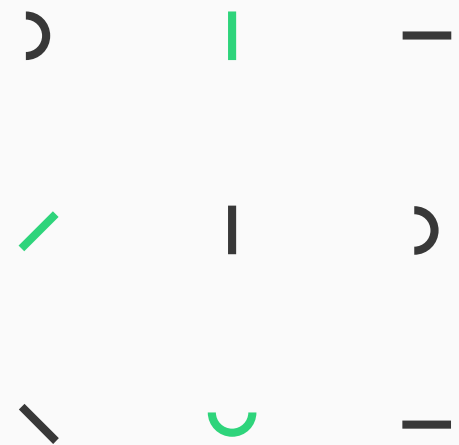


DO

Design para a
Implementação.

React

components
JSX
props
state



<https://medium.com/dailyjs/javascript-module-cheatsheet-7bd474f1d829>

<https://reactnative.dev/docs/intro-react>

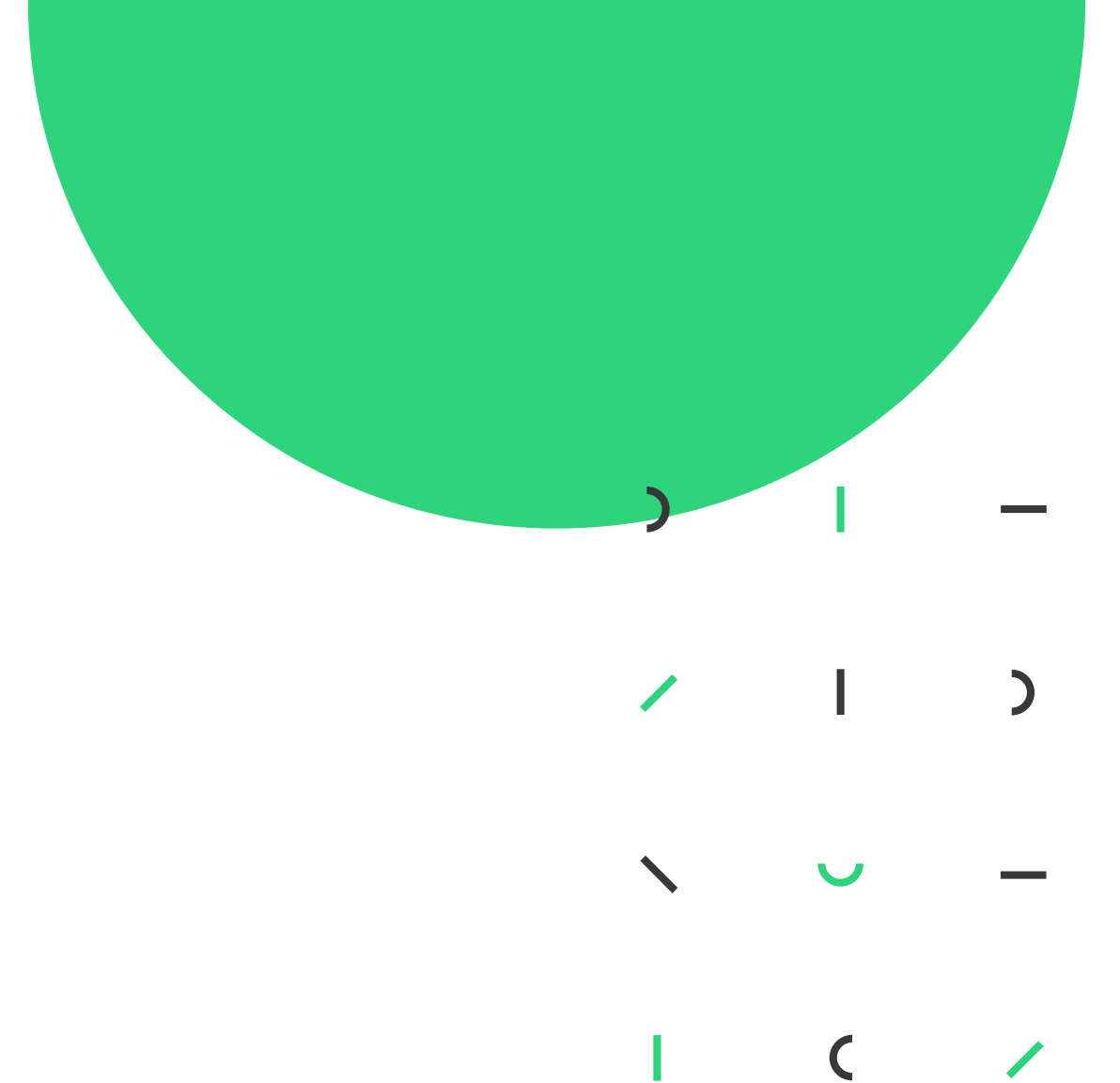
React Native

Uma biblioteca para construir aplicativos nativos usando React.



React Native is a JavaScript framework for writing real, natively rendering mobile applications for iOS and Android.

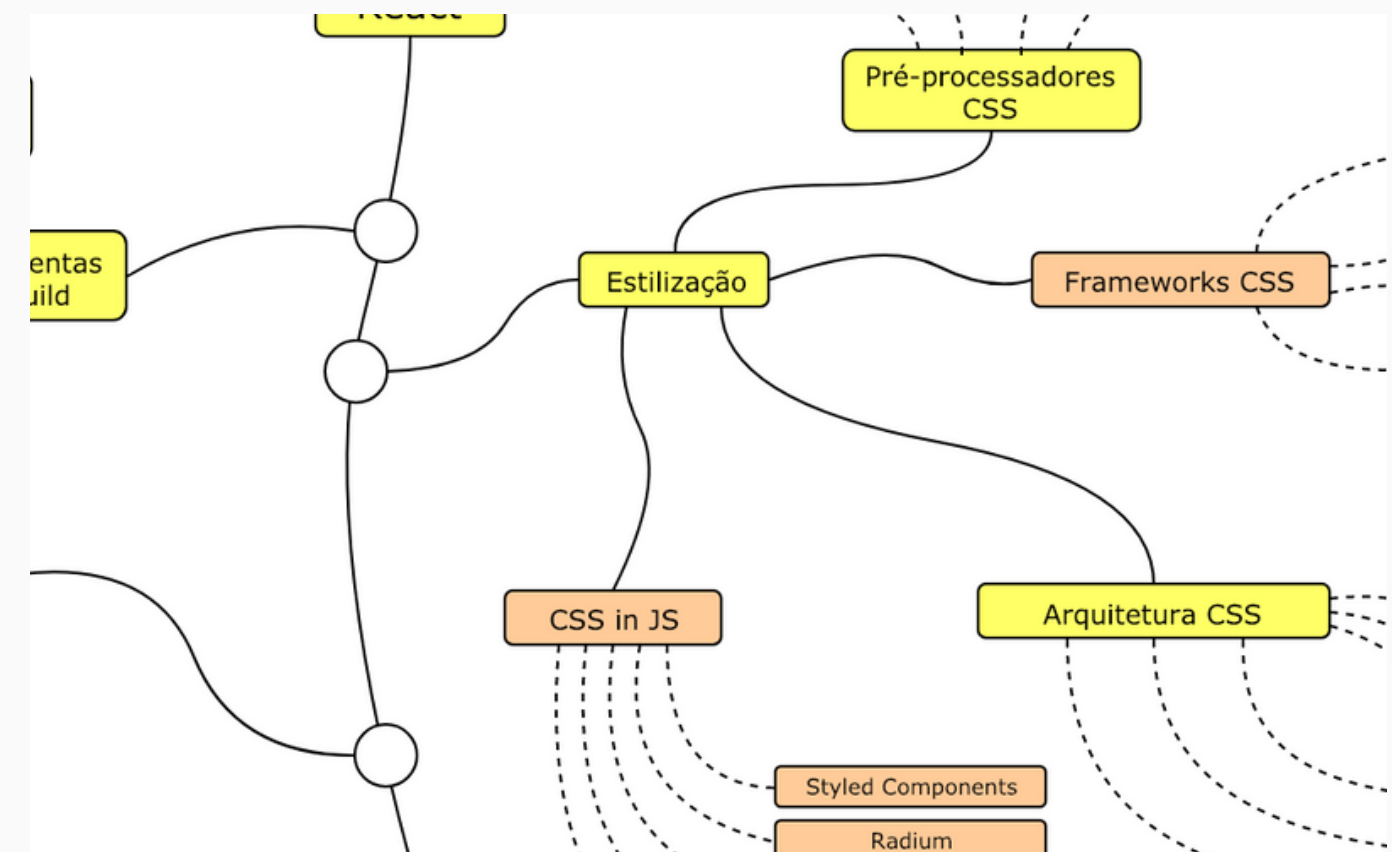
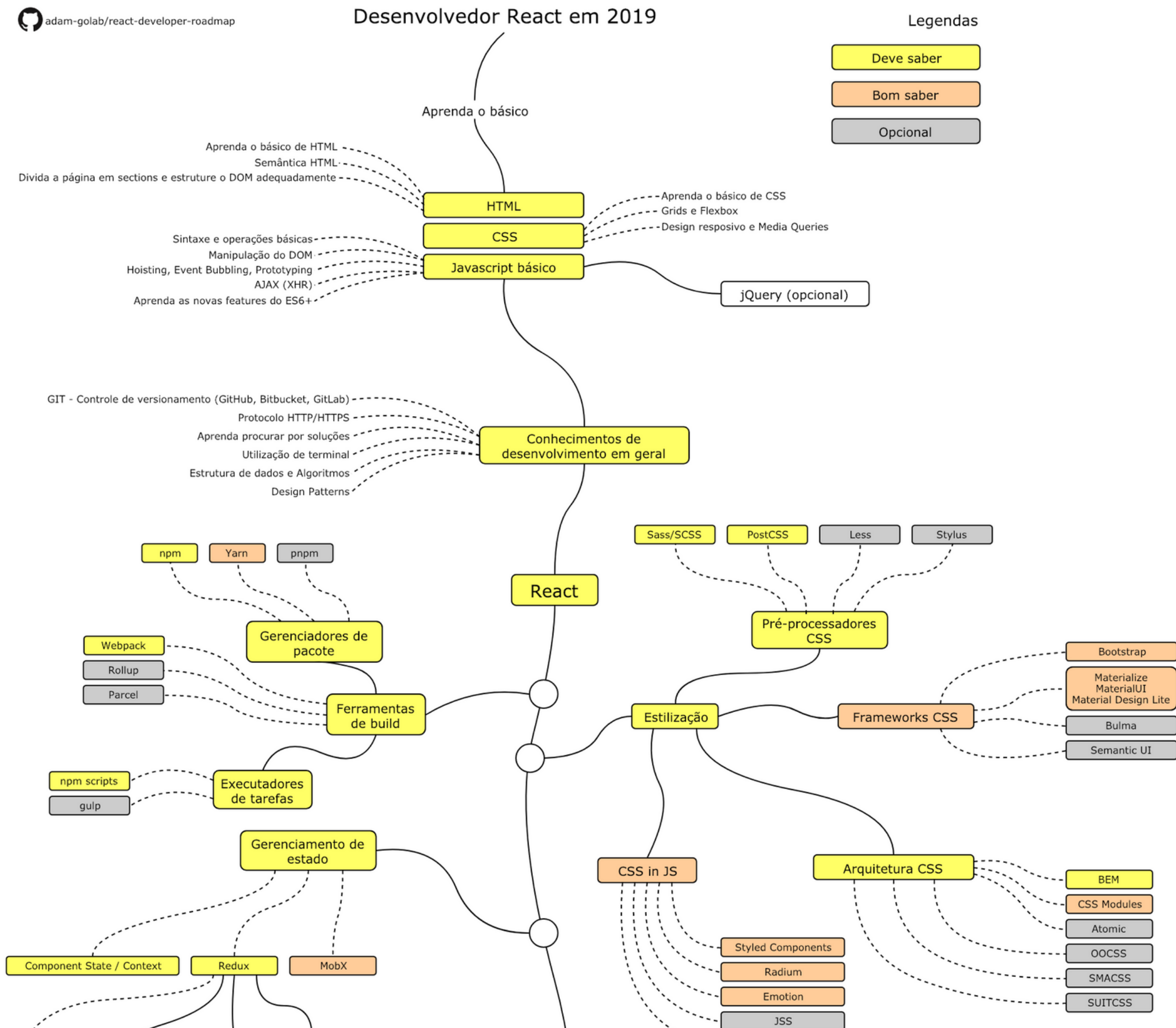
It's based on React, Facebook's JavaScript library for building user interfaces, but instead of targeting the browser, it targets mobile platforms.



<https://medium.com/tableless/o-que-voce-deve-saber-sobre-o-funcionamento-do-react-native-7e3c610aa268>

<https://www.oreilly.com/library/view/learning-react-native/9781491929049/ch01.html>

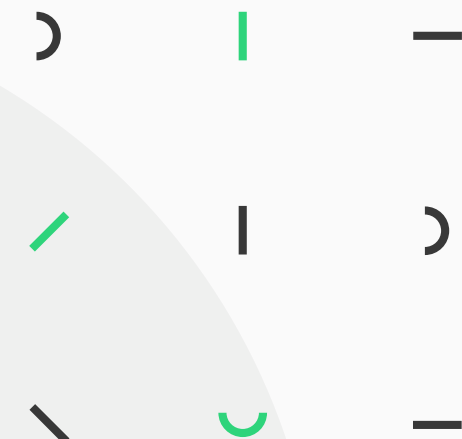
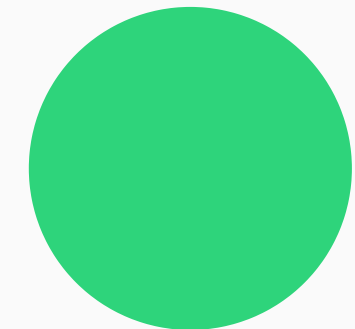
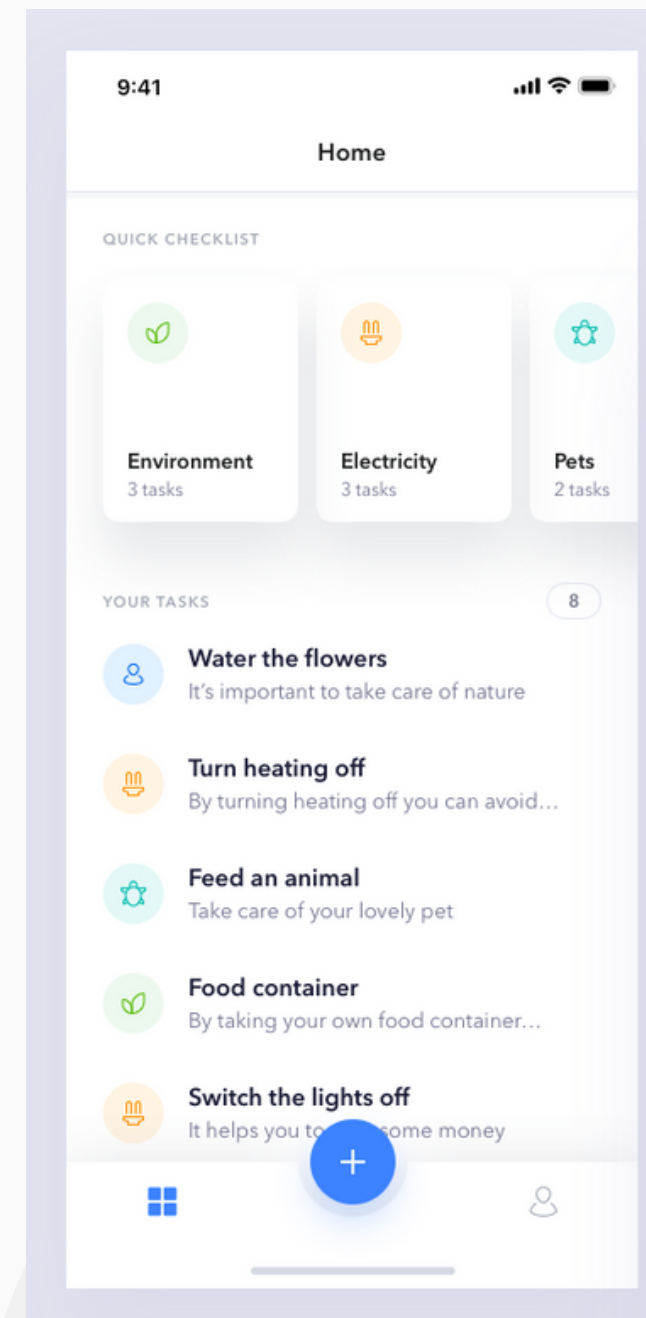
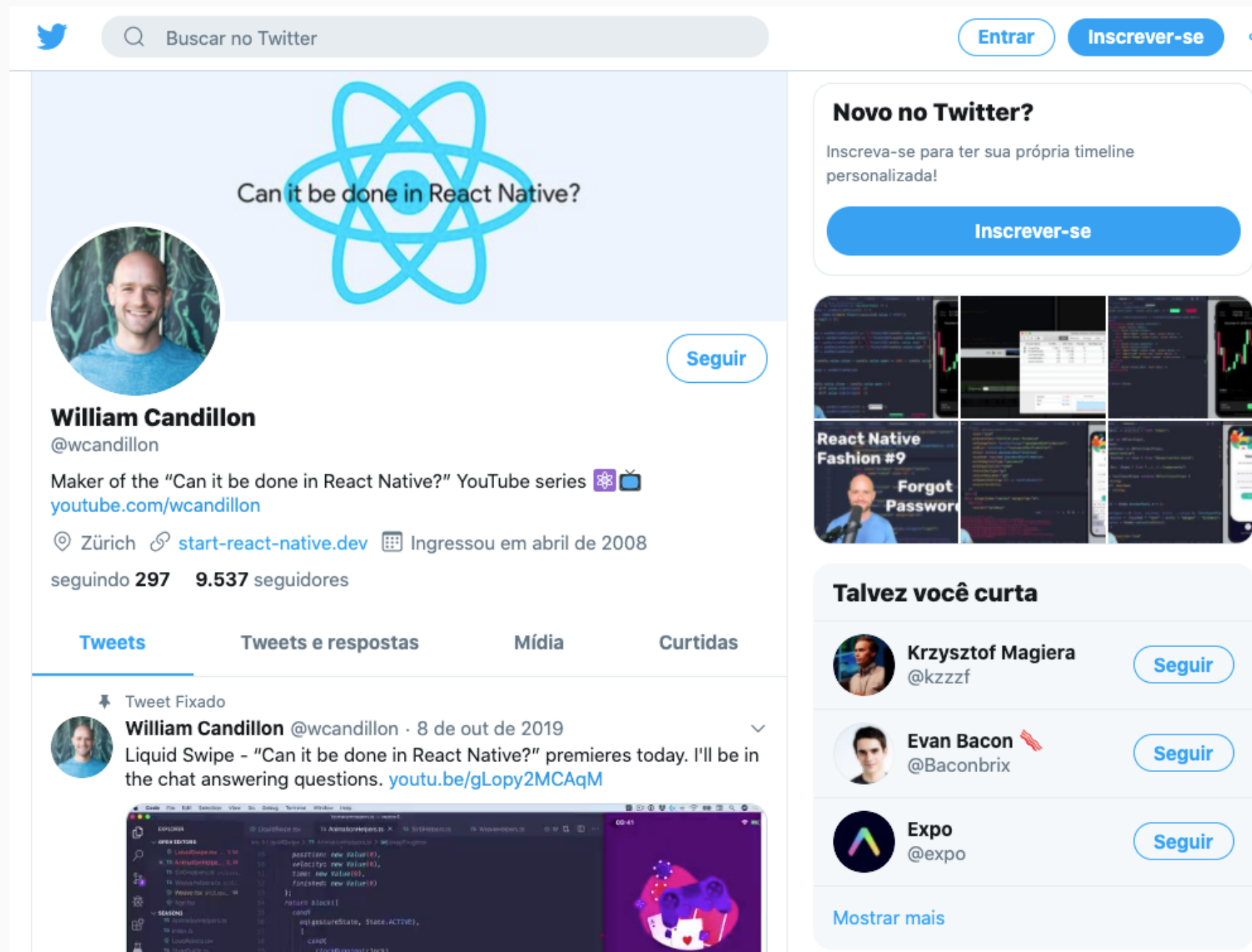
Desenvolvedor React em 2019



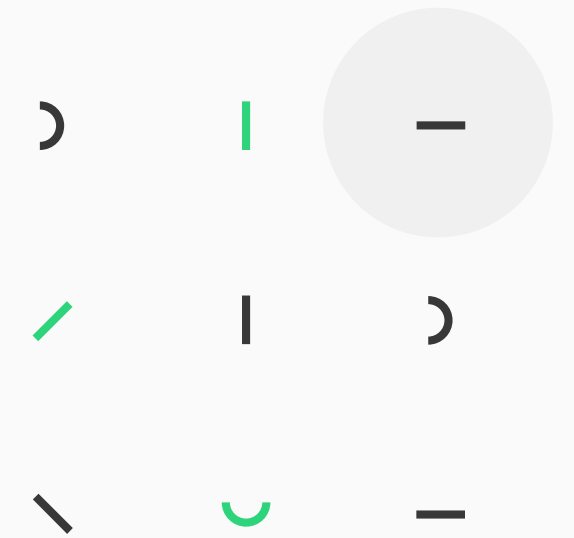
Components

<https://reactnative.dev/docs/intro-react-native-components>

"Componentes permitem você dividir a UI em partes independentes, reutilizáveis e pensar em cada parte isoladamente."



Vida Real

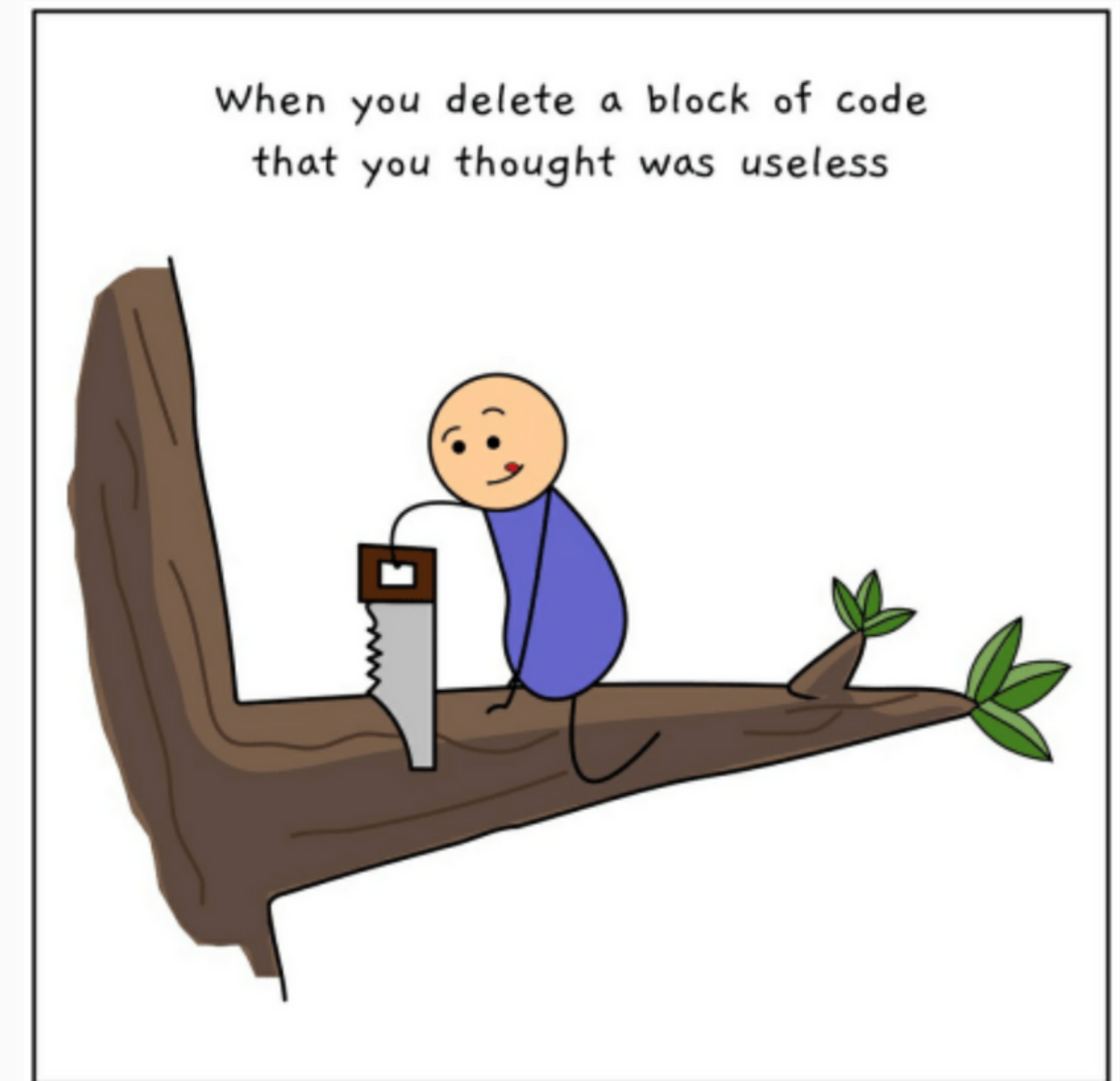


Quais os nossos desafios?

Criar softwares escaláveis, que nos permita o crescimento sustentável de nossa aplicação.

Problemas ou soluções?

Códigos reutilizáveis. Manutenibilidade.



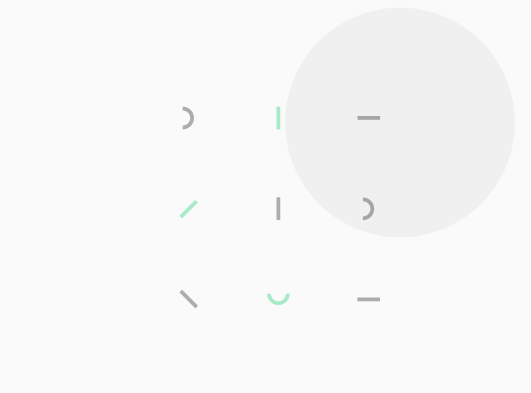
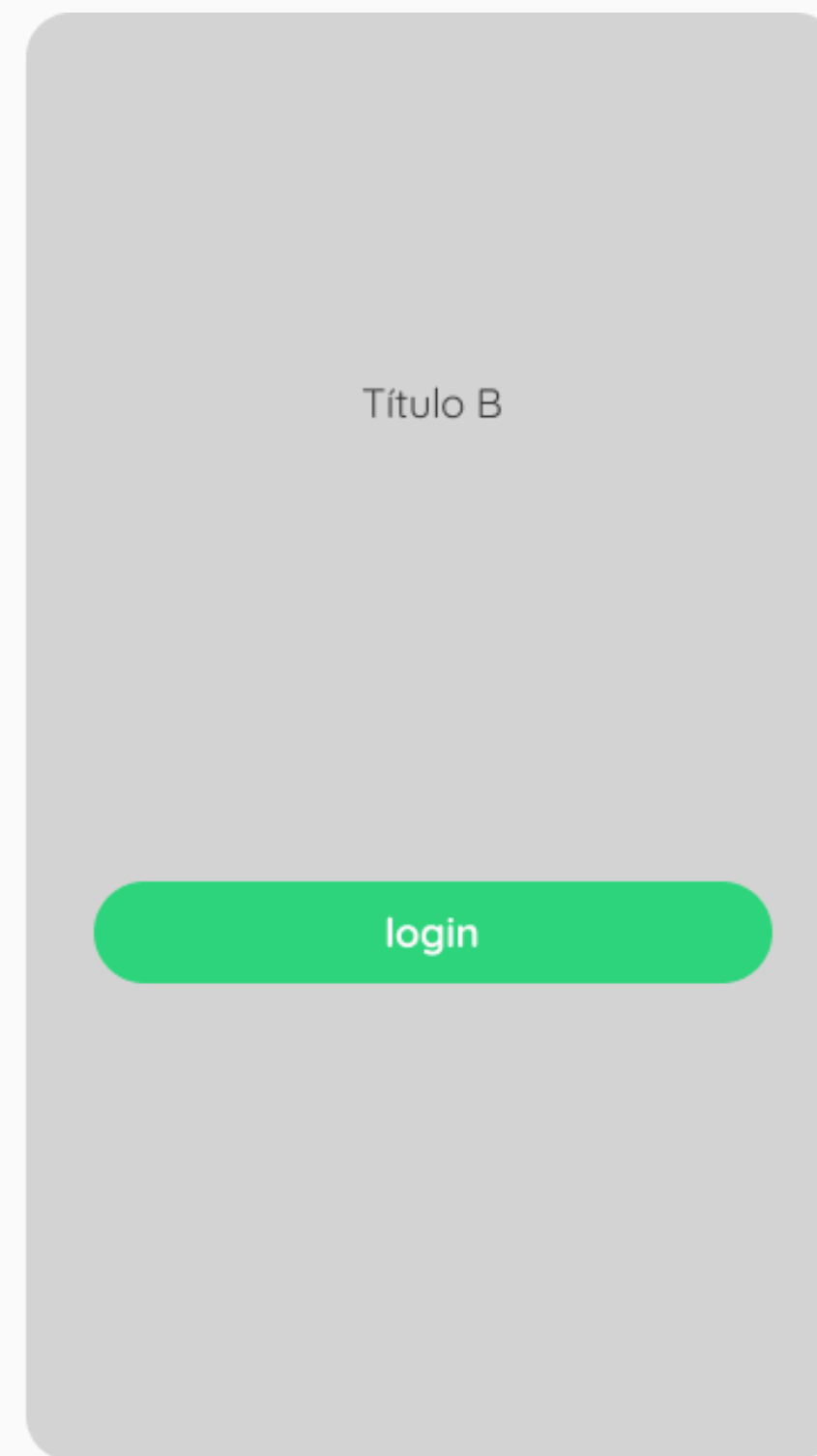
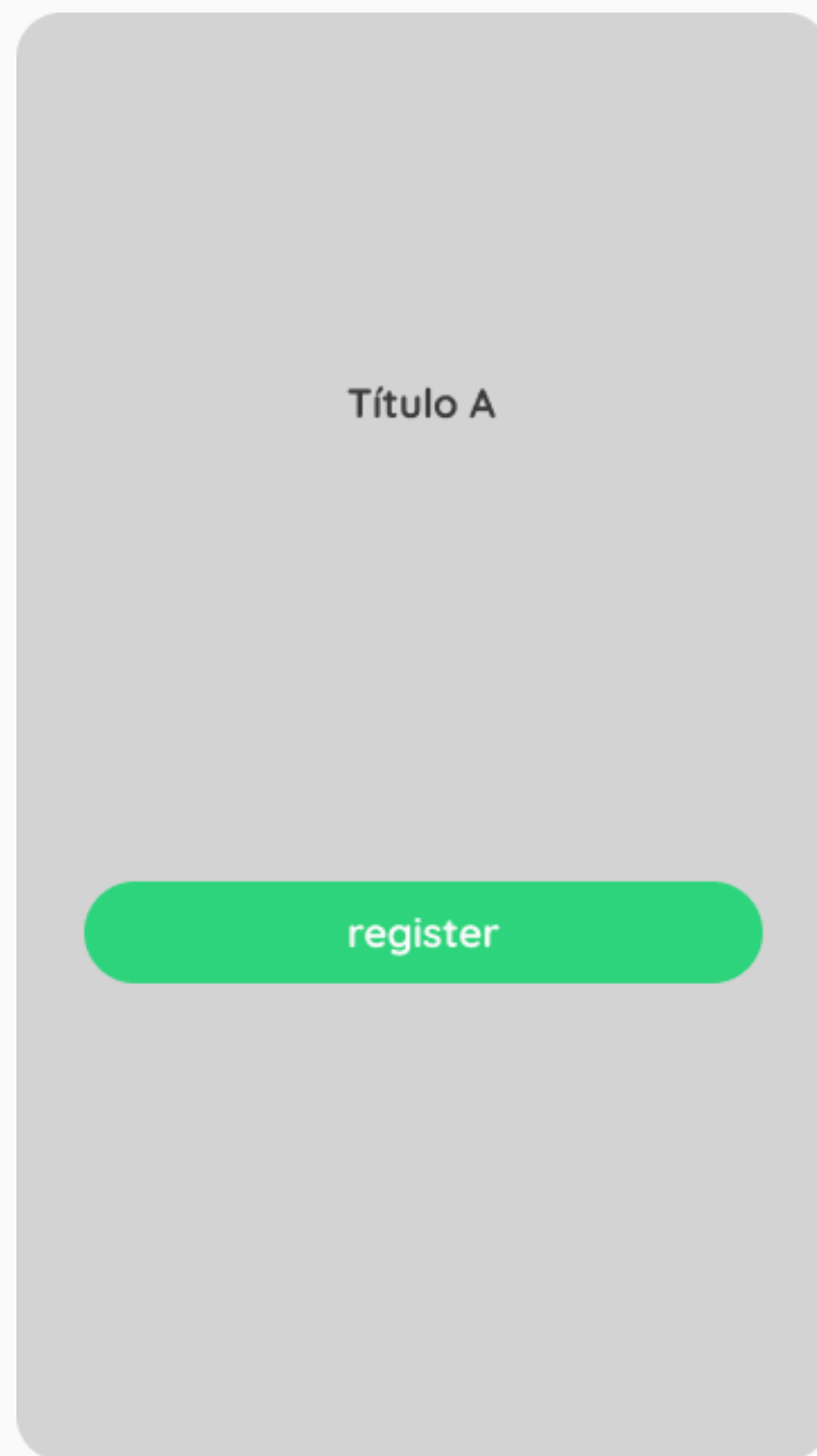
Exemplo

Problemas à vista

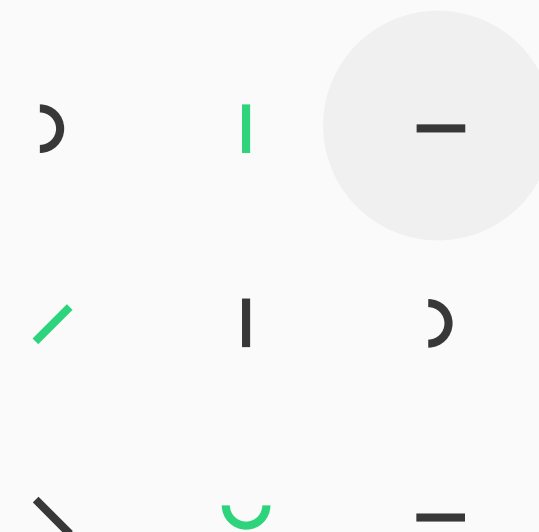
ctrl+c, ctrl+v

mudanças = dor de cabeça

padrão?

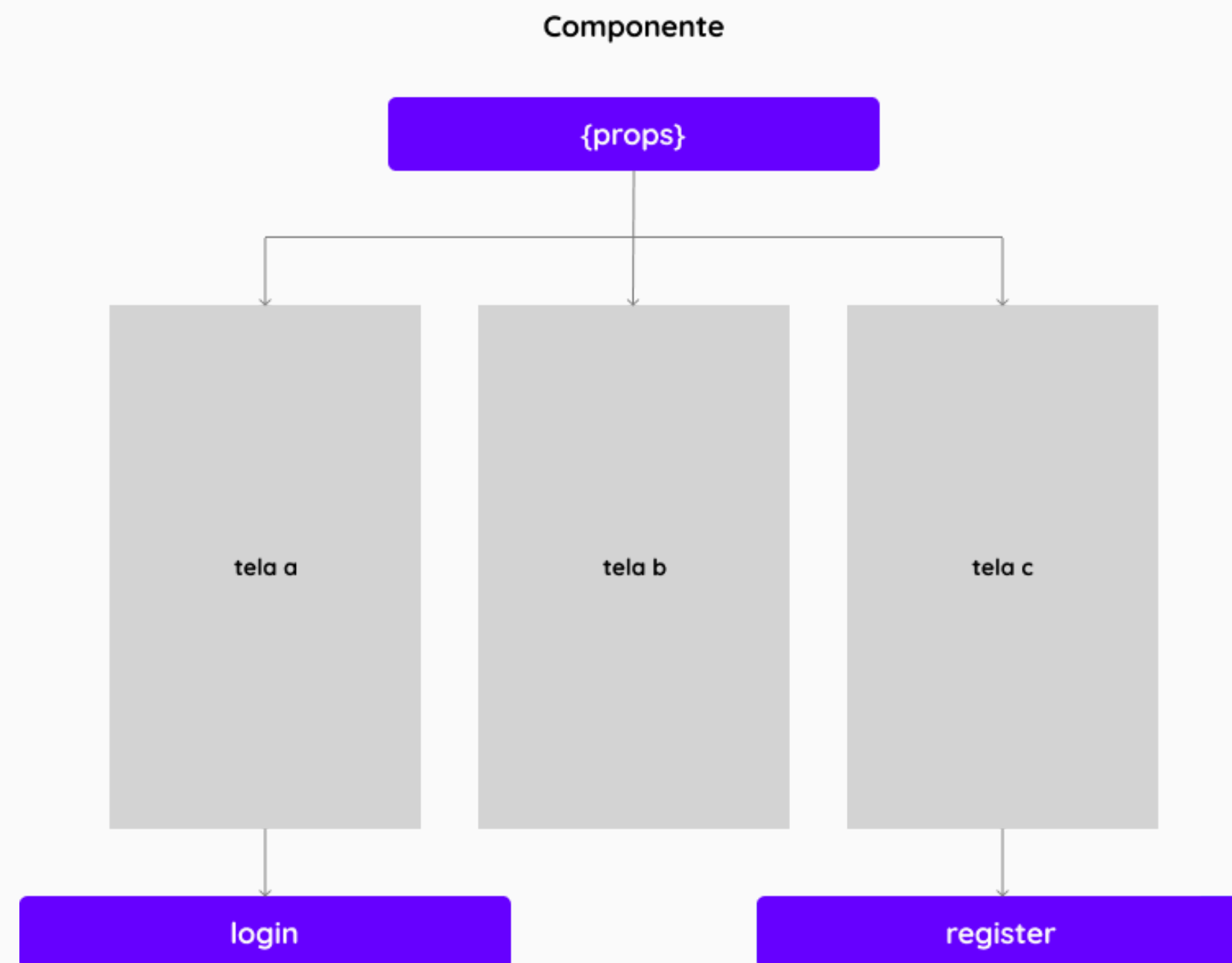


Soluções à vista



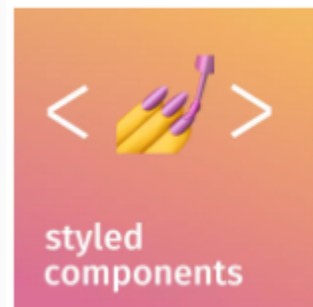
Integridade

mudanças = amor



styled-components (do-amor)

css-in-js;



components: Documentation

Learn how to use styled-components and to style your apps without stress

 styled-components



Componente de Texto



```
// components/Typography/styles.js  
  
import styled from 'styled-components/native';  
  
export const Label = styled.Text``;
```



```
// components/Typography/index.js  
  
import { Label } from './styles';  
  
const Typography = () => <Label>Hello World</Label>;  
  
export default Typography;
```

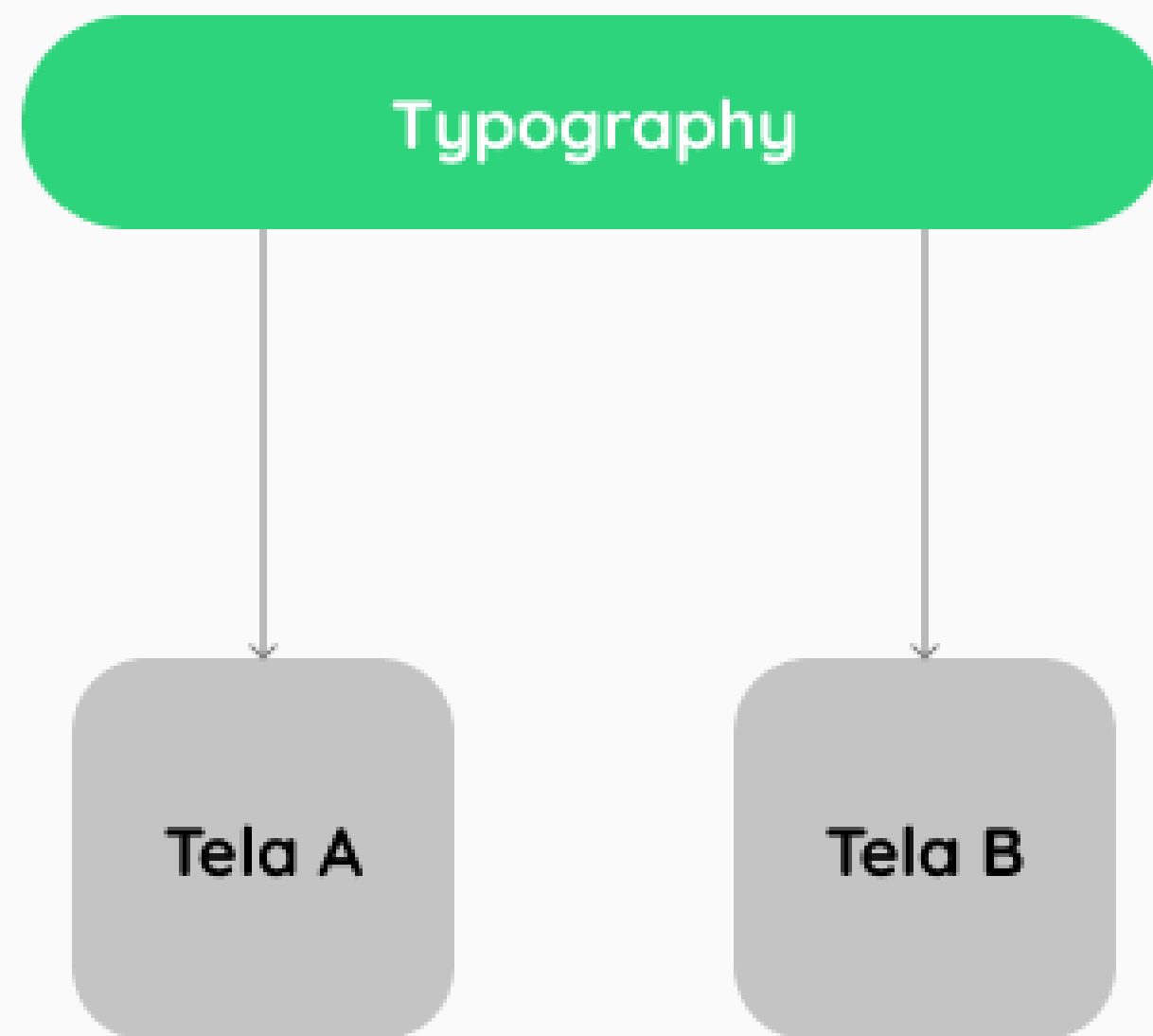


Core Components

REACT NATIVE UI COMPONENT	ANDROID VIEW	IOS VIEW	WEB ANALOG	DESCRIPTION
<code><View></code>	<code><ViewGroup></code>	<code><UIView></code>	A non-scrollling <code><div></code>	A container that supports layout with flexbox, style, some touch handling, and accessibility controls
<code><Text></code>	<code><TextView></code>	<code><UITextView></code>	<code><p></code>	Displays, styles, and nests strings of text and even handles touch events
<code><Image></code>	<code><ImageView></code>	<code><UIImageView></code>	<code></code>	Displays different types of images
<code><ScrollView></code>	<code><ScrollView></code>	<code><UIScrollView></code>	<code><div></code>	A generic scrolling container that can contain multiple components and views
<code><TextInput></code>	<code><EditText></code>	<code><UITextField></code>	<code><input type="text"></code>	Allows the user to enter text

<https://reactnative.directory/> - 781 libraries
<https://reactnative.dev/docs/components-and-apis>

utilização em diferentes cenários

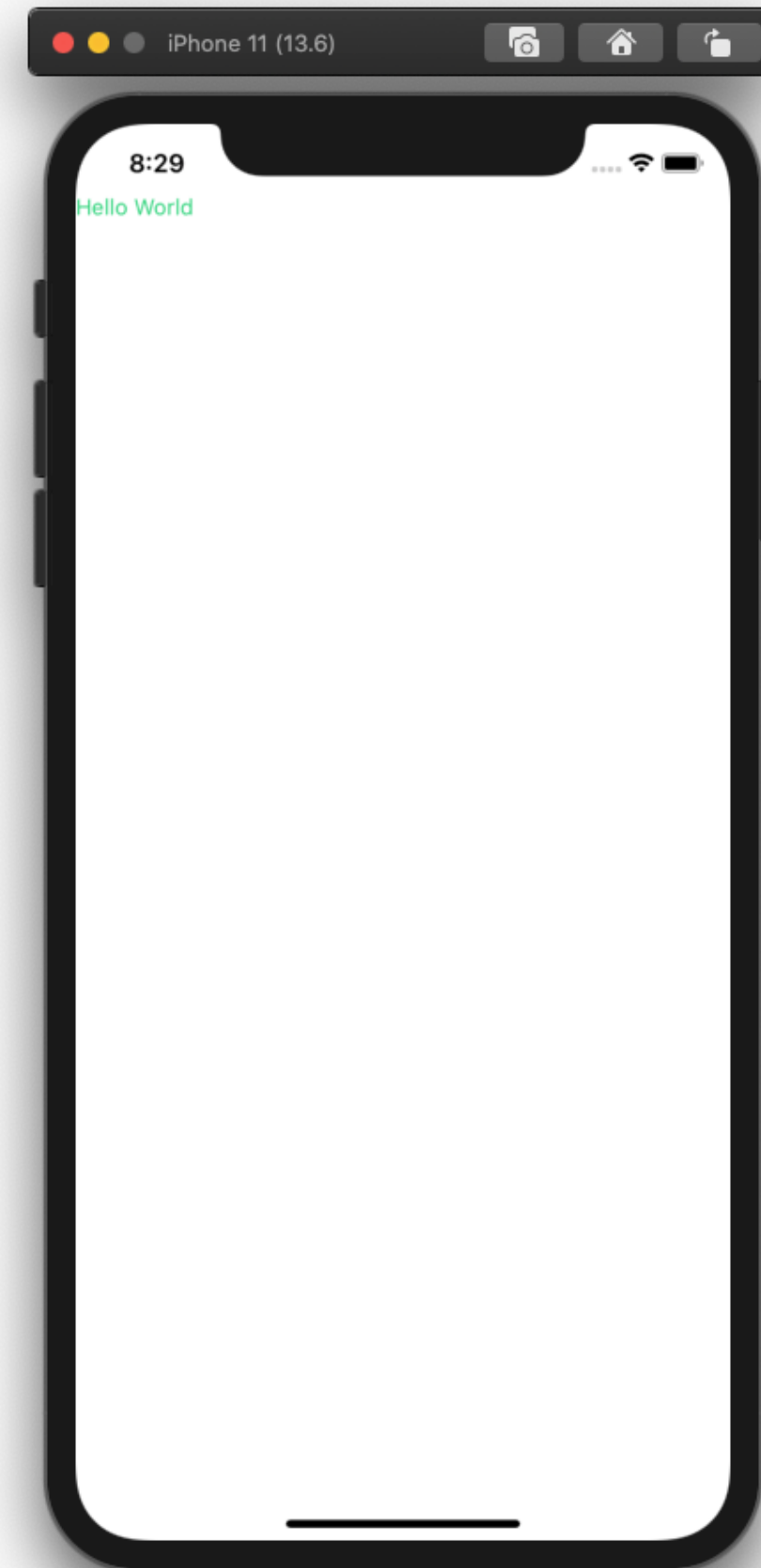


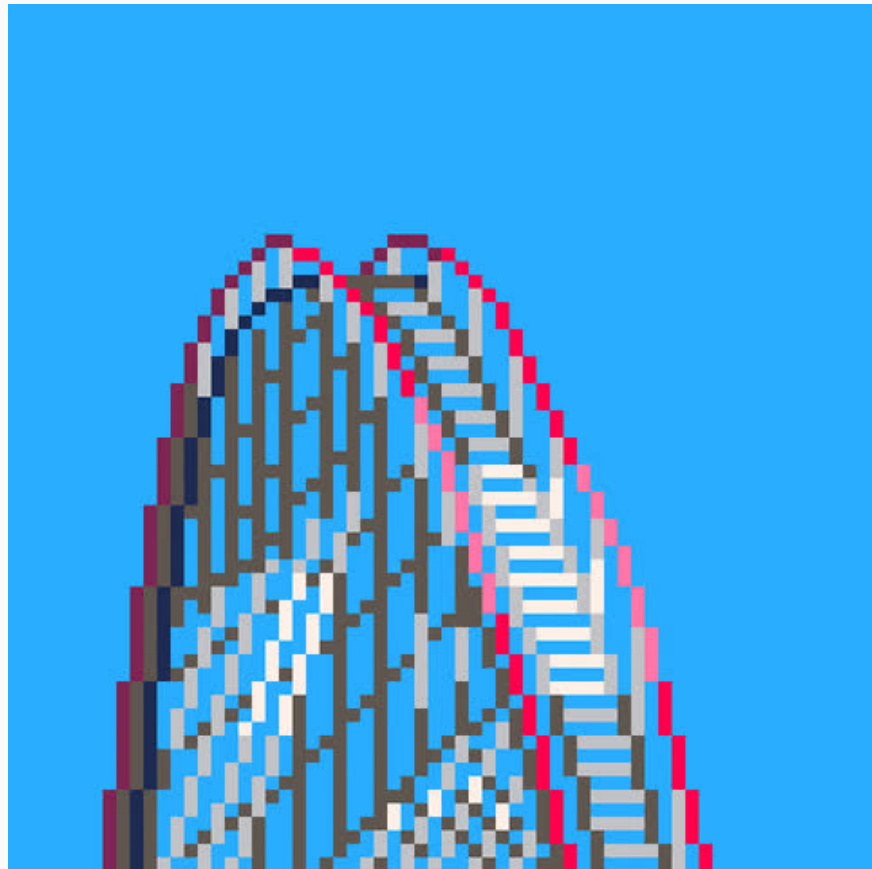
padronização

reutilização

Estilos Centralizados

```
// components/Typography/styles.js  
  
export const Label = styled.Text`  
  color: #2ed47b;  
`;
```





Escopos Locais

sem efeitos colaterais

› | —

✓ | ›

✓ | —

› | —

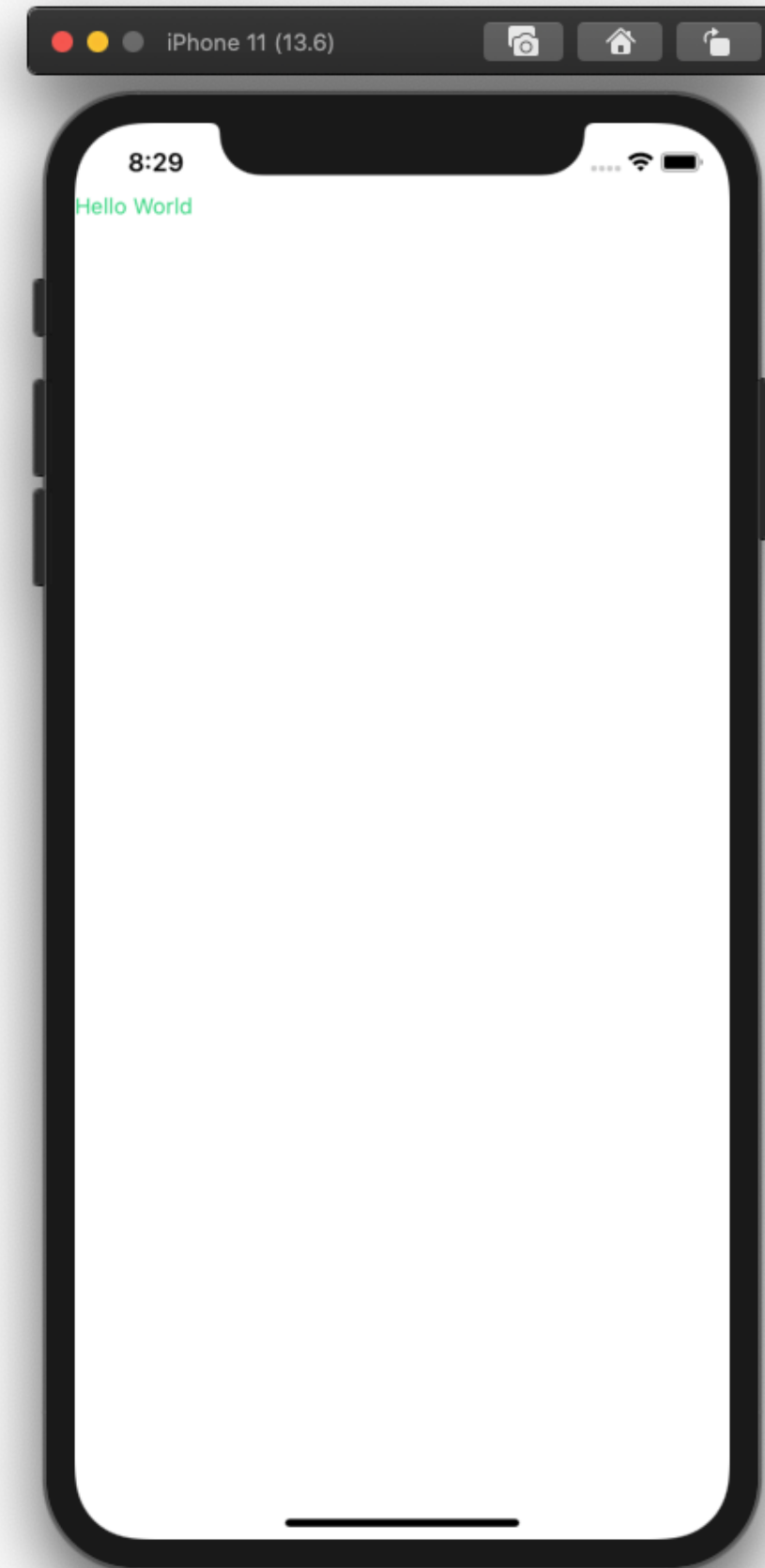
✓ | ›

✓ | —

Estilos Dinâmicos



```
// components/Typography/styles.js
export const Label = styled.Text`
  color: #2ed47b;
  ${({ bold }) => bold && { 'font-weight': 'bold' }}
`;
```



16



Estilos Dinâmicos

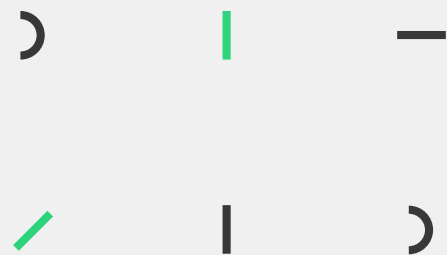


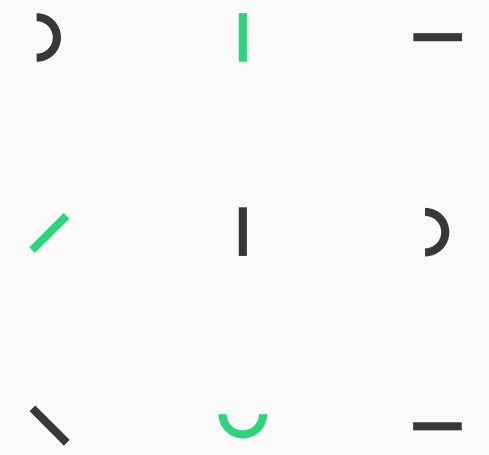
```
// components/Typography/index.js
```

```
const Typography = () => <Label bold={true}>Hello World</Label>;
```



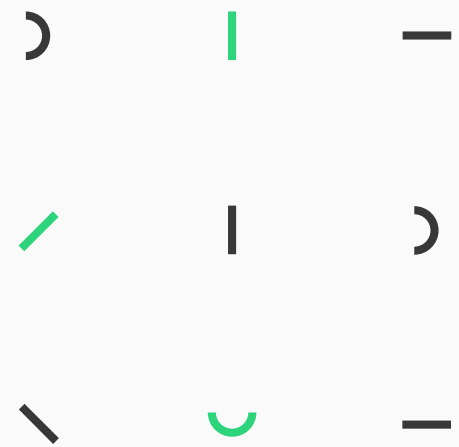
17



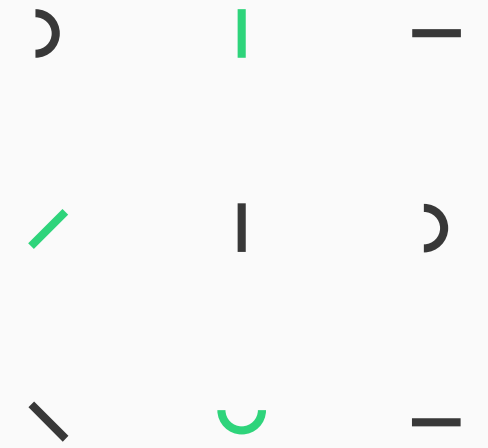


Construções dinâmicas

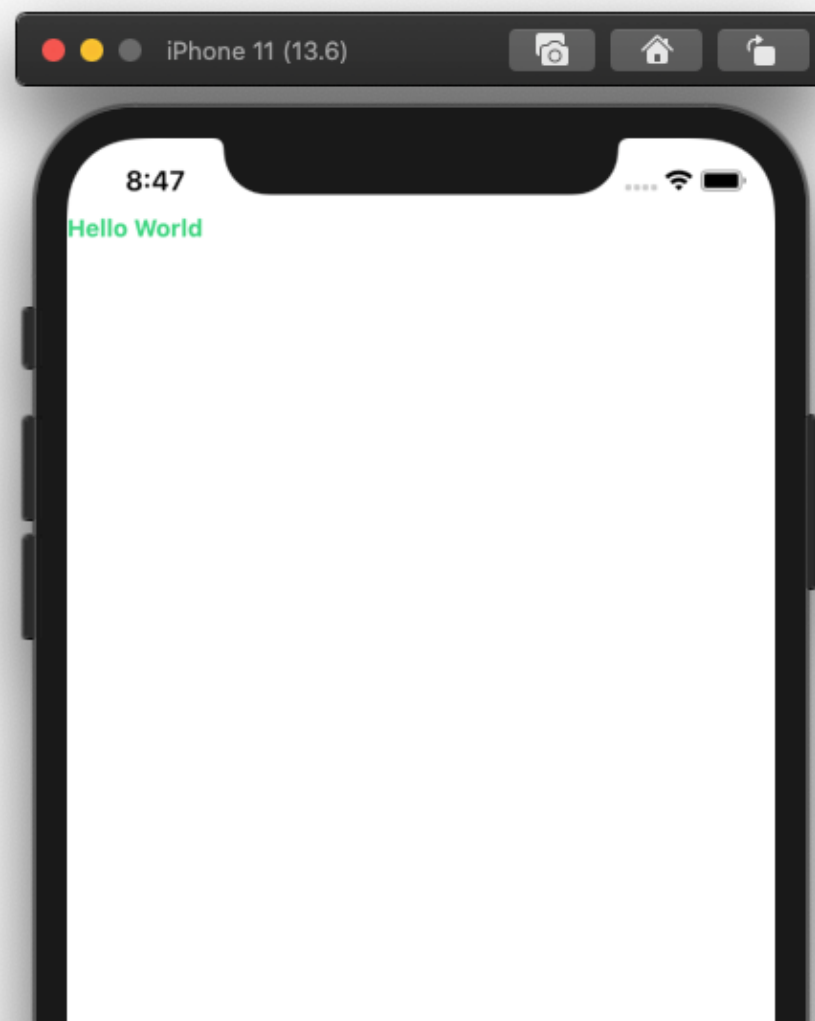
através das props



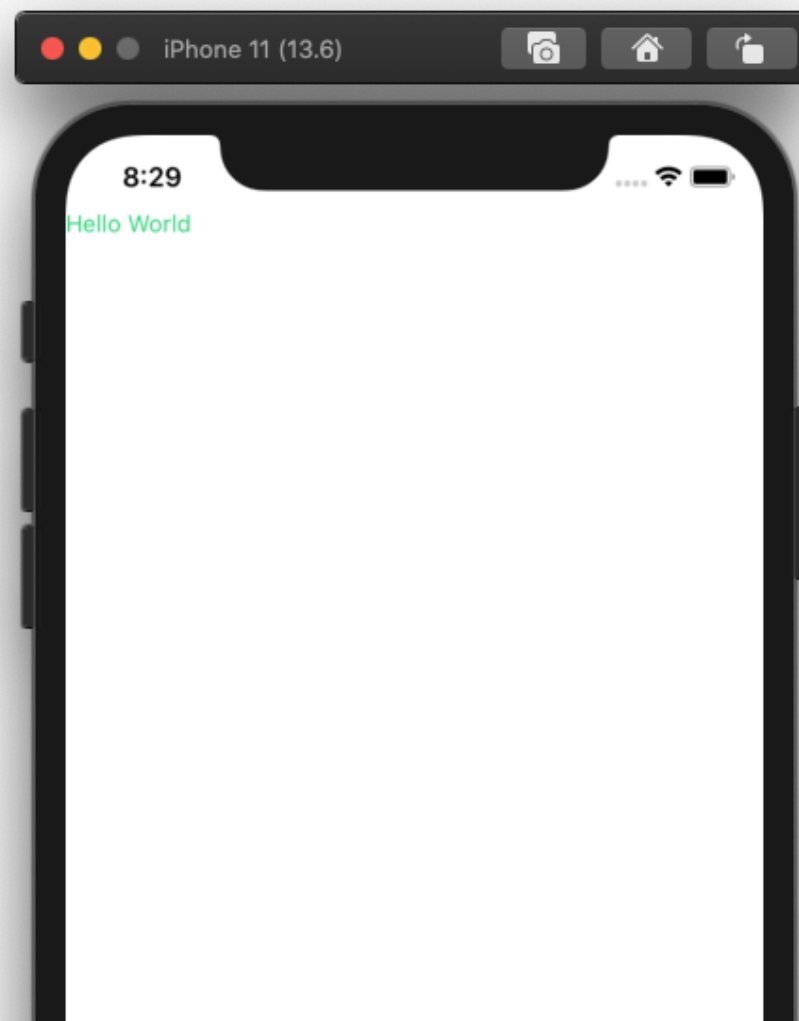
Alterações locais + estilos dinâmicos



`bold={true}`



`bold={false}`



20

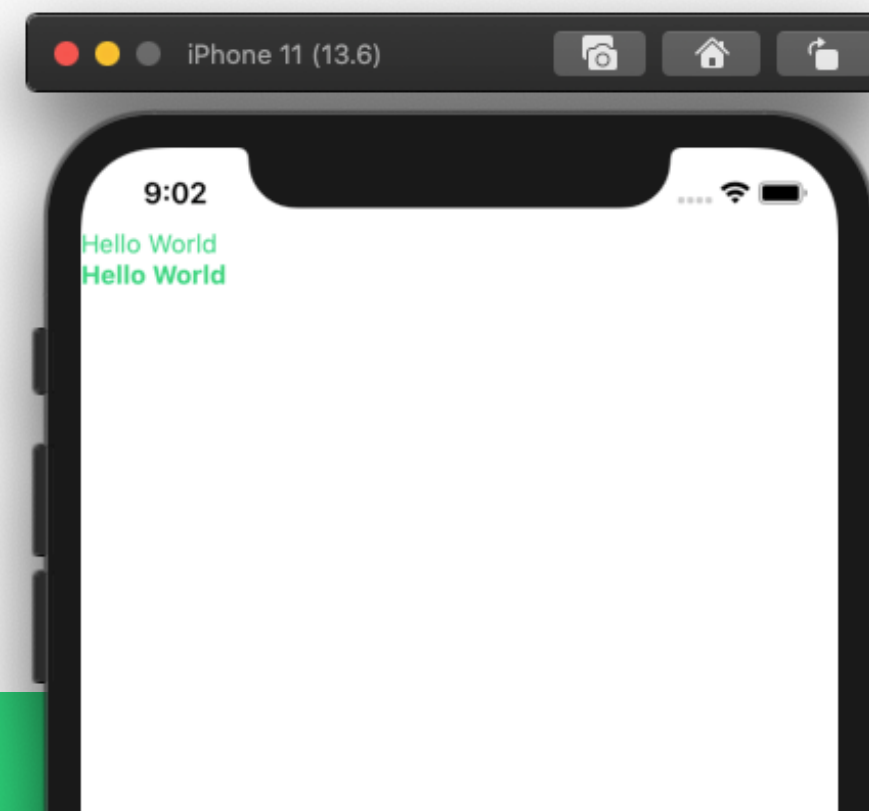
Tela -> Componente

```
// App.js
import { Typography } from './src/components';

const App = () => {
  return (
    <
      <StatusBar barStyle="dark-content" />
      <SafeAreaView>
        <Typography />
        <Typography bold />
      </SafeAreaView>
    </>
  );
};

export default App;
```

```
// components/Typography/index.js
const Typography = ({ bold }) =>
  <Label bold={bold}>Hello World</Label>;
```



Separação de responsabilidades



```
// components/FlatButton/index.js
```

```
const FlatButton = () => {  
  return (  
    <Container onPress={() => console.log('hello')}>  
      <Label>Login</Label>  
    </Container>  
  );  
};
```



```
// components/FlatButton/index.js
```

```
import styled from 'styled-components/native';  
  
export const Container = styled.TouchableOpacity`  
  width: 100%;  
  height: 56px;  
  background-color: #2ed47b;  
  border-radius: 36px;  
  justify-content: center;  
  align-items: center;  
`;  
  
export const Label = styled.Text`  
  color: #ffffff;  
  font-weight: bold;  
  font-size: 16px;  
`;
```



9:48

Hello World
Hello World

Login

22

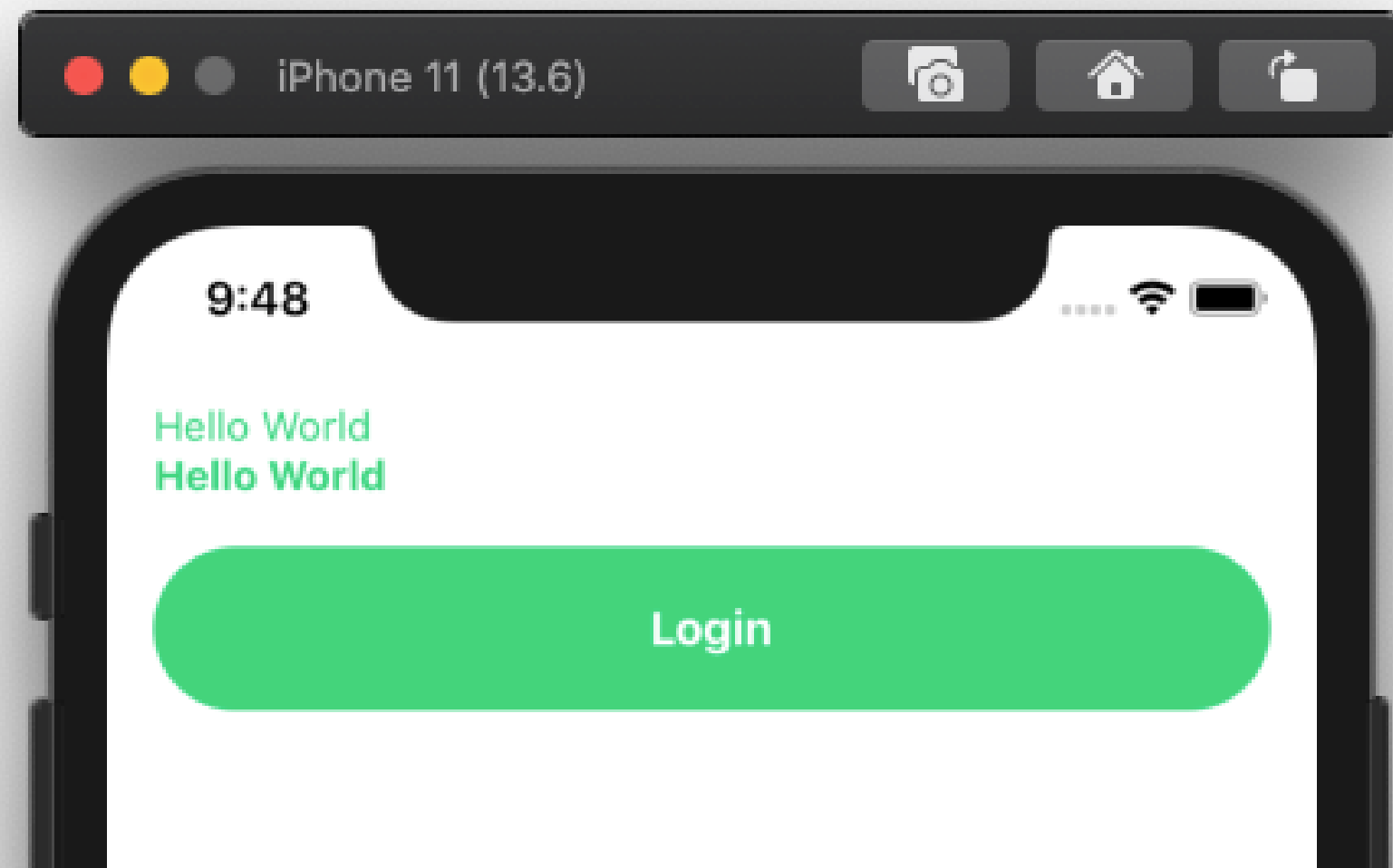
Tópico

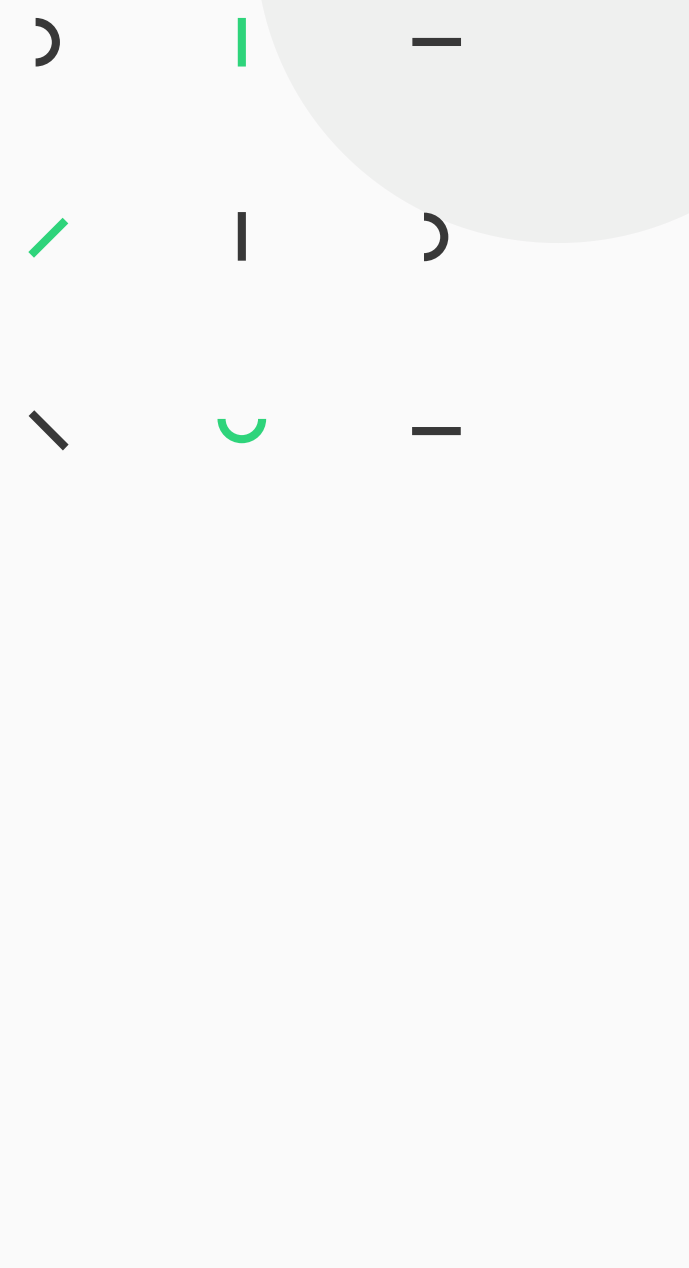
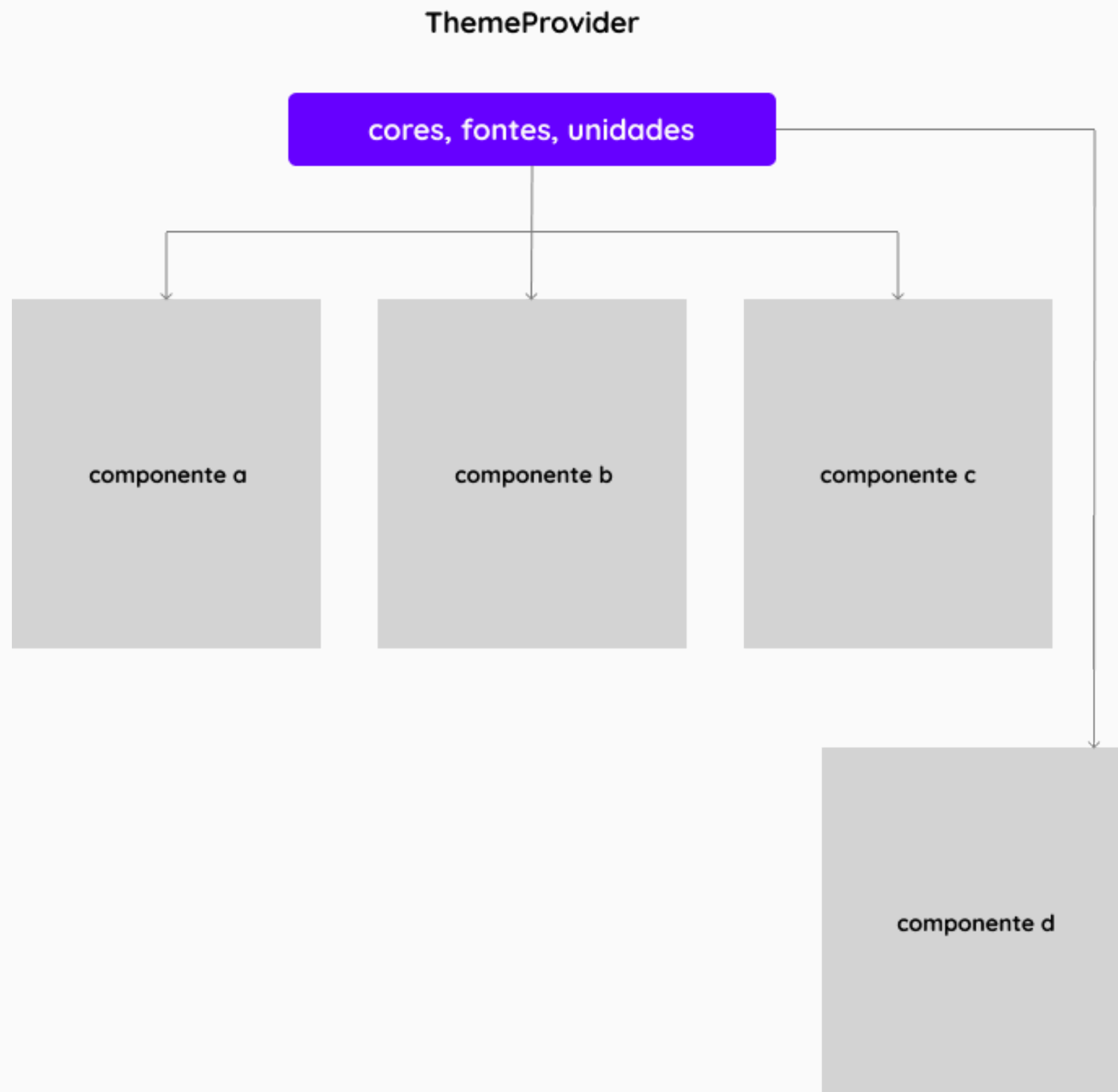
Avançado



ThemeProvider

Quais as
semelhanças entre
os dois
componentes?





`${theme}`



```
// theme/colors.js
export default {
  primary: '#2ed47b',
  secondary: '#000000',
  tertiary: '#FFFFFF',
};
```



```
// theme/index.js
import colors from './colors';

const theme = {
  colors,
};

export default theme;
```

`${theme}`

```
// ...

import { ThemeProvider } from 'styled-components';

import theme from './src/theme';

const App = () => {
  return (
    // ...
    <ThemeProvider theme={theme}>
      <View style={{ marginTop: 16 }}>
        <OutlineButton />
      </View>
    </ThemeProvider>
    // ...
  );
};

export default App;
```

```
// components/OutlineButton/index.js
import styled from 'styled-components/native';

export const Container = styled.TouchableOpacity`
  width: 100%;
  height: 56px;
  border-color: #2ed47b;
  border-width: 1px;
  border-radius: 36px;
  justify-content: center;
  align-items: center;
`;

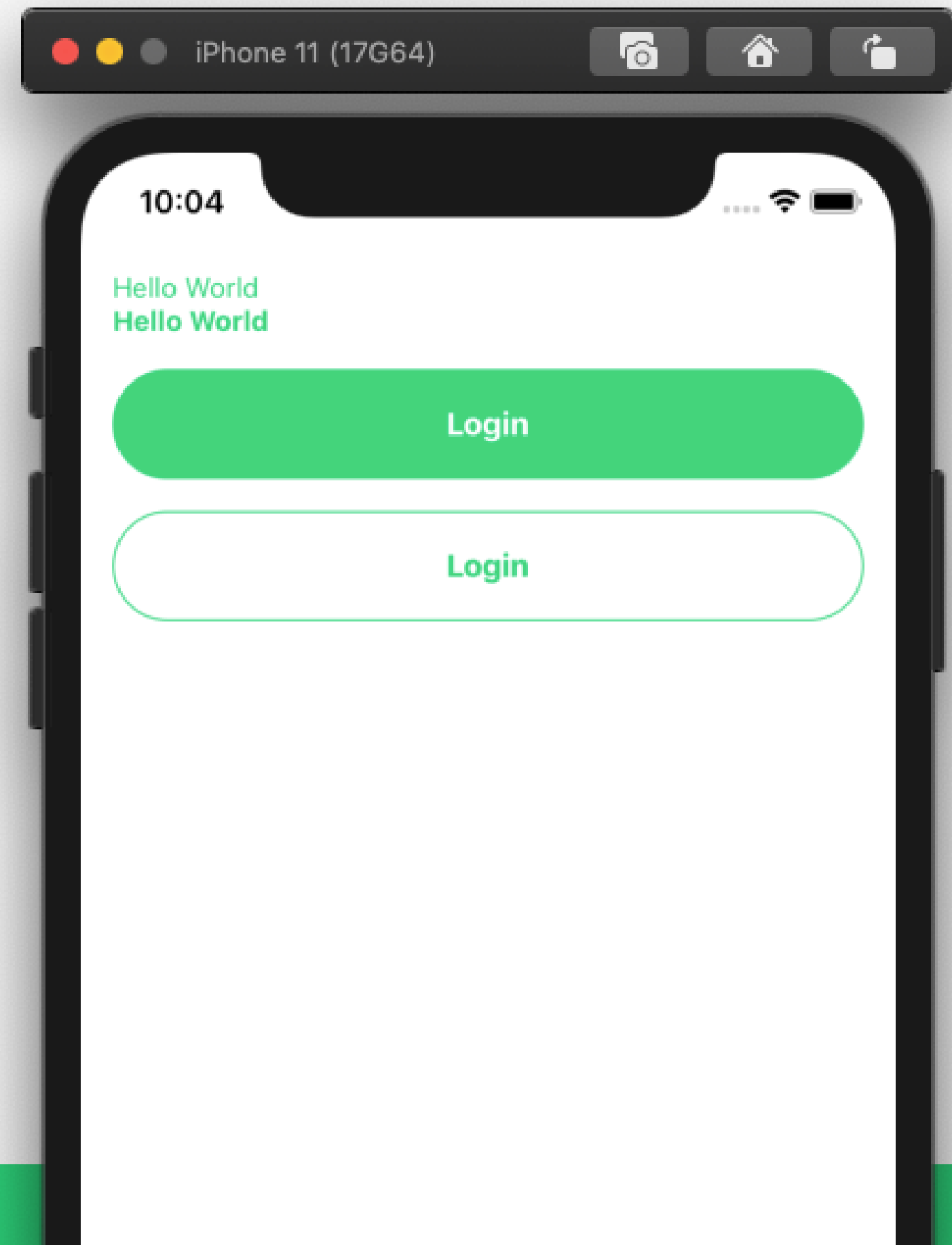
export const Label = styled.Text`
  color: ${({ theme }) => theme.colors.primary};
  font-weight: bold;
  font-size: 16px;
`;
```

`${theme}`

```
// components/OutlineButton/index.js
import styled from 'styled-components/native';

export const Container = styled.TouchableOpacity`
  width: 100%;
  height: 56px;
  border-color: #2ed47b;
  border-width: 1px;
  border-radius: 36px;
  justify-content: center;
  align-items: center;
`;

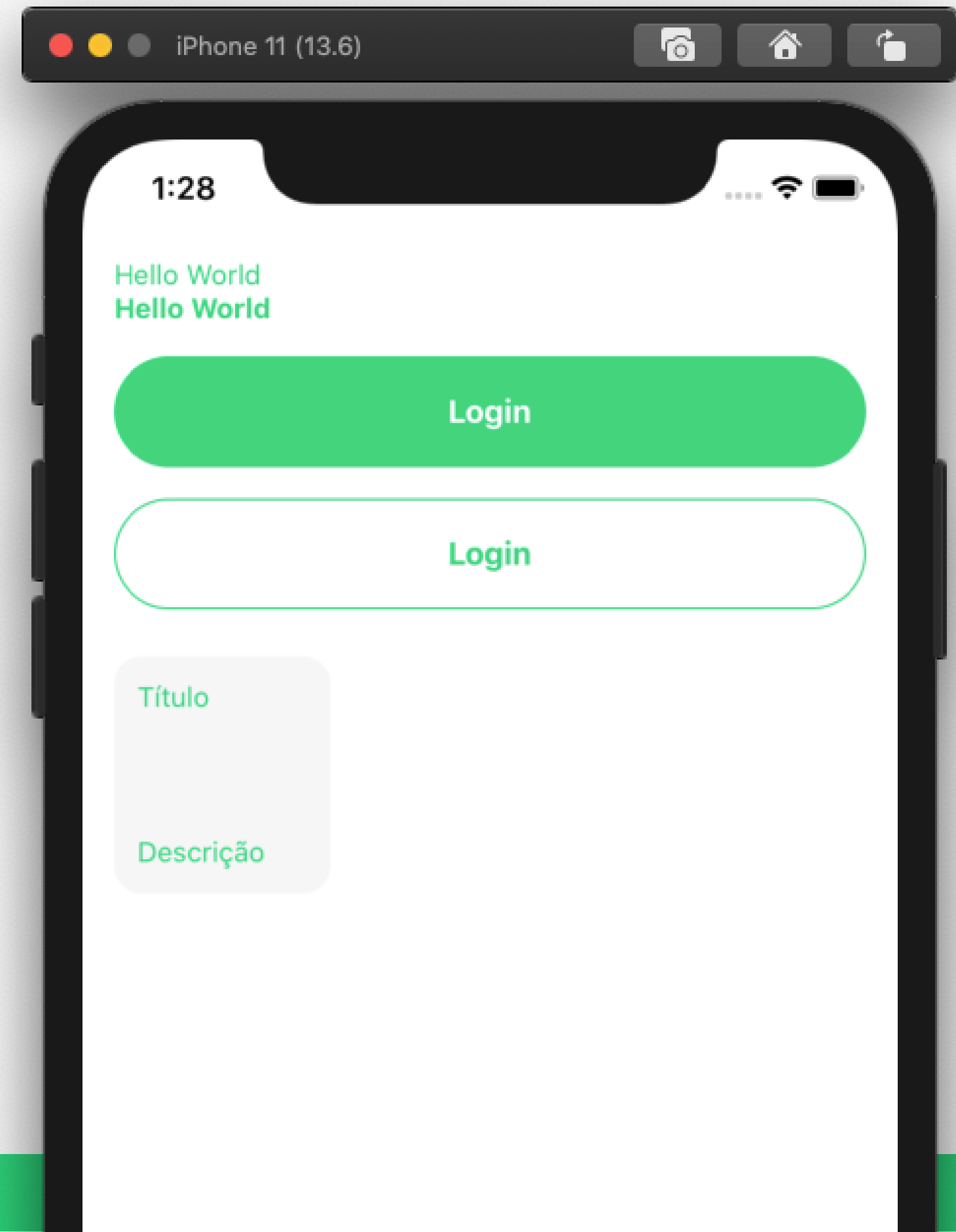
export const Label = styled.Text`
  color: ${({ theme }) => theme.colors.primary};
  font-weight: bold;
  font-size: 16px;
`;
```



refletindo...



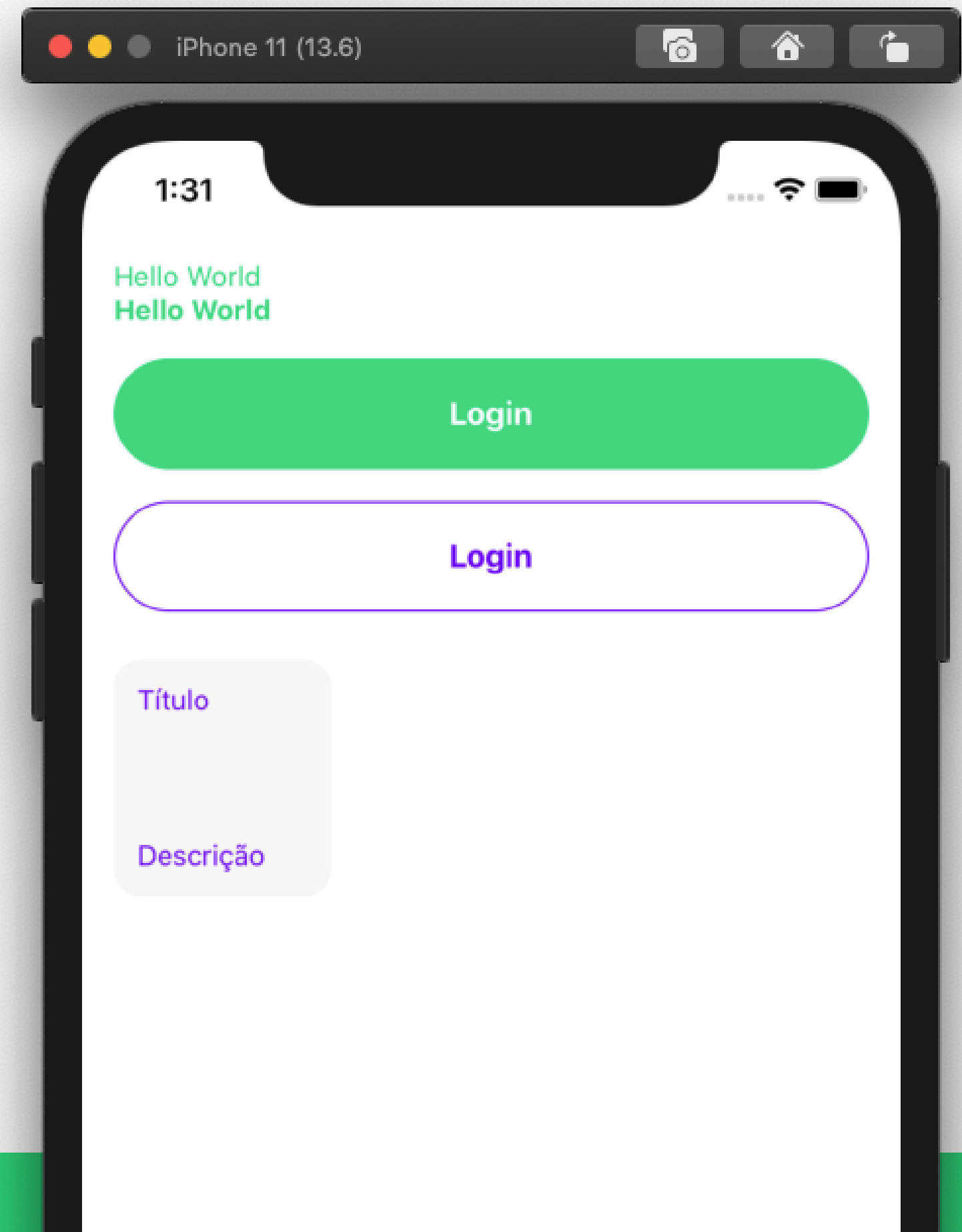
```
// theme/colors.js
export default {
  primary: '#2ed47b',
  secondary: '#000000',
  tertiary: '#FFFFFF',
};
```



as alterações



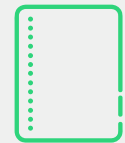
```
// theme/colors.js
export default {
  primary: '#6600ff',
  secondary: '#000000',
  tertiary: '#FFFFFF',
};
```



styled-components (do-amor)



Sem sujeira no
código



Sem Efeitos
Colaterais



Performance



Escalabilidade

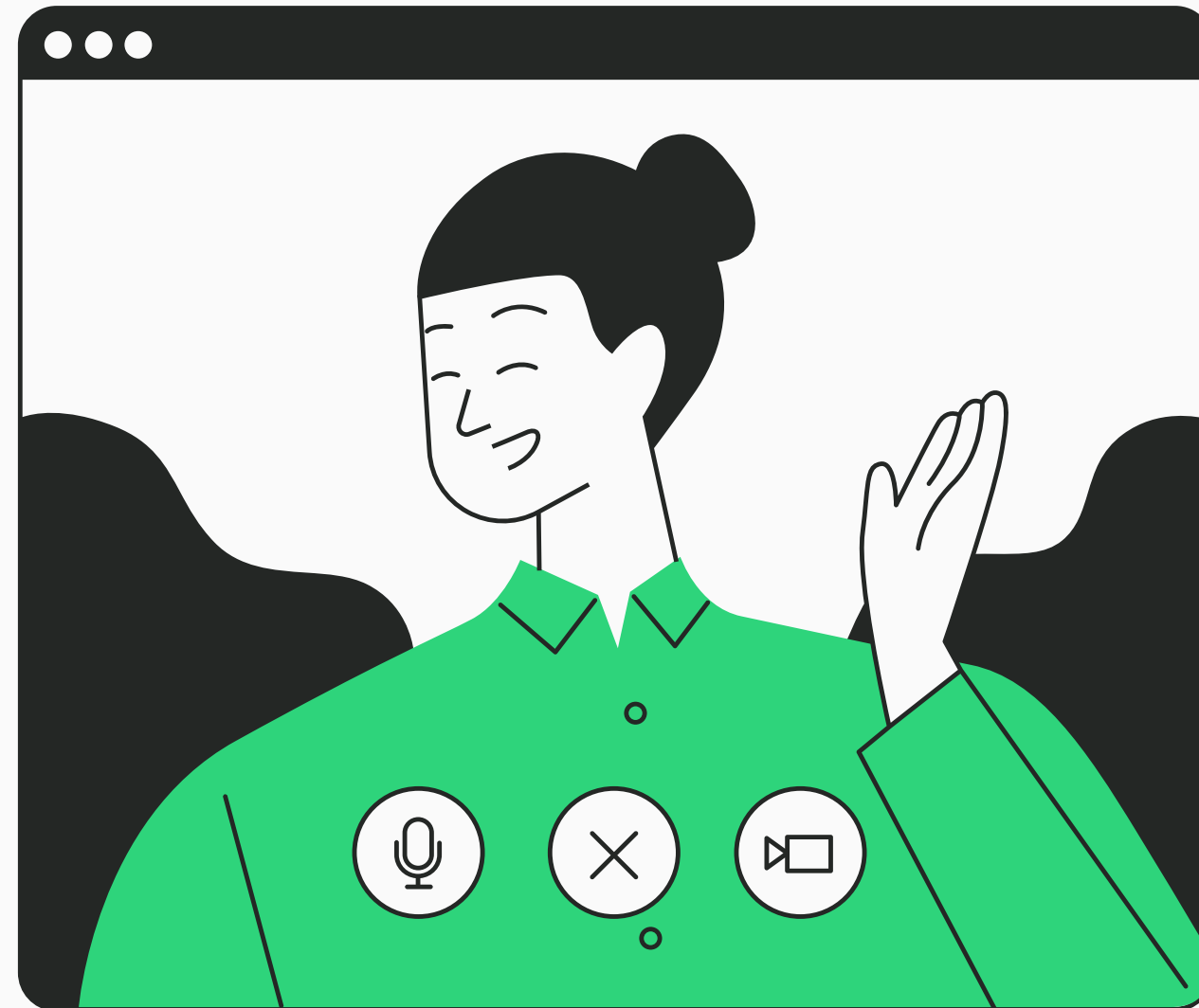


Robustez



https://github.com/hstrada/meetup_reprograma-styled-components

Obrigada!



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GITHUB

[hstrada](https://github.com/hstrada)