

Design System & Flutter

Explorando a consistência visual para o seu projeto

[~/mobile_sync/author/Michael Martins](#)





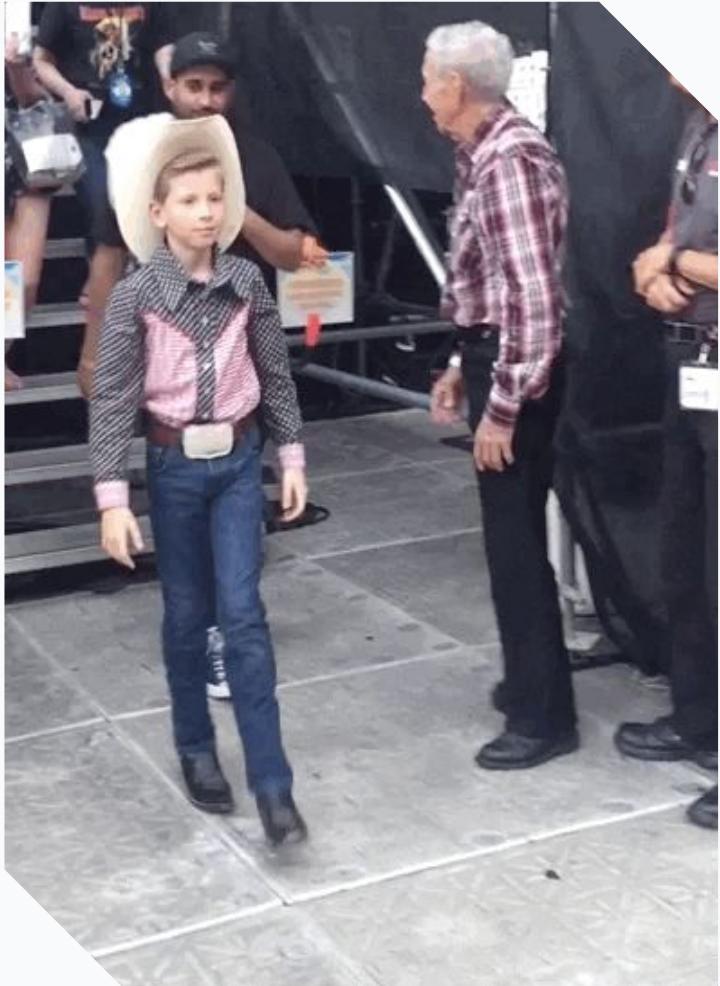
Michael Martins

@michaelmartins.me

Ecosistema Mobile
+4 anos atuando na área

Desenvolvedor Flutter Sênior
@ CondoConta

Voluntário
@FlutterFloripa

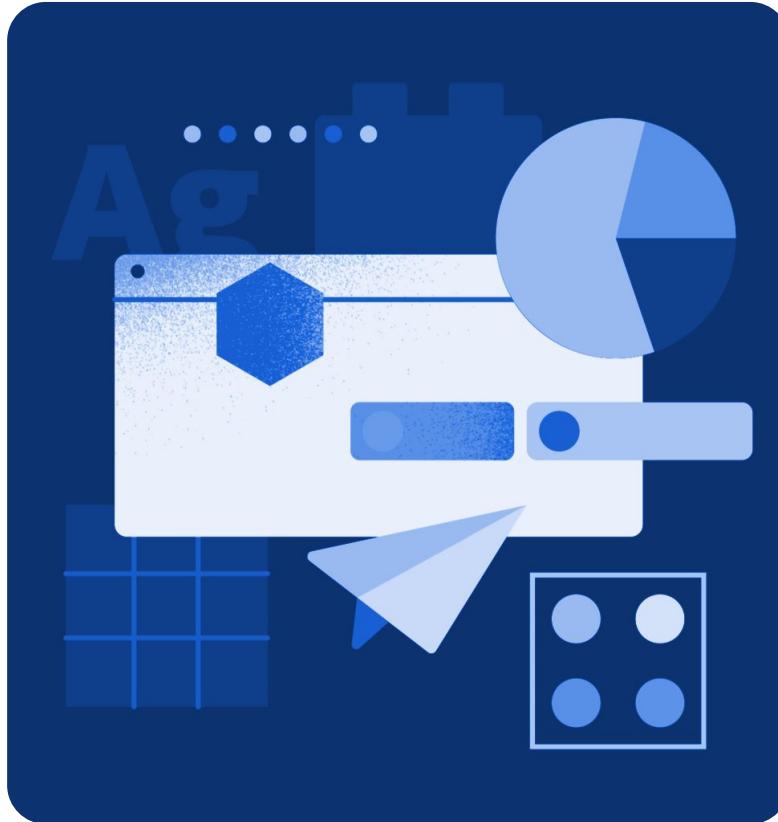


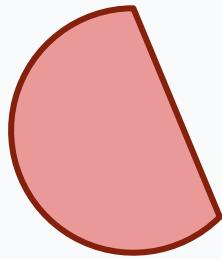
**Vamos
começar!**

O QUE É
**DESIGN
SYSTEM?**

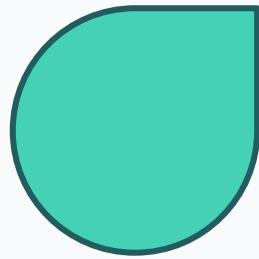
Padrões & Diretrizes

Consistência visual e de
interação





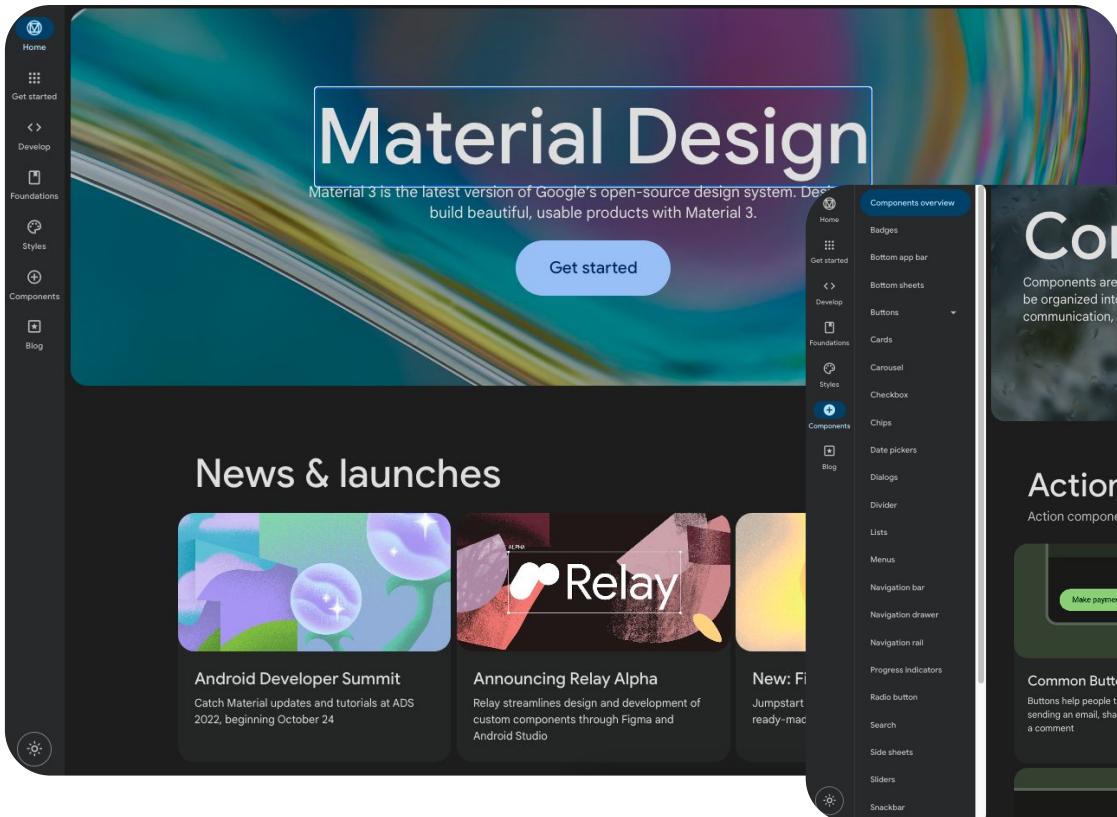
**Princípios
de Design**



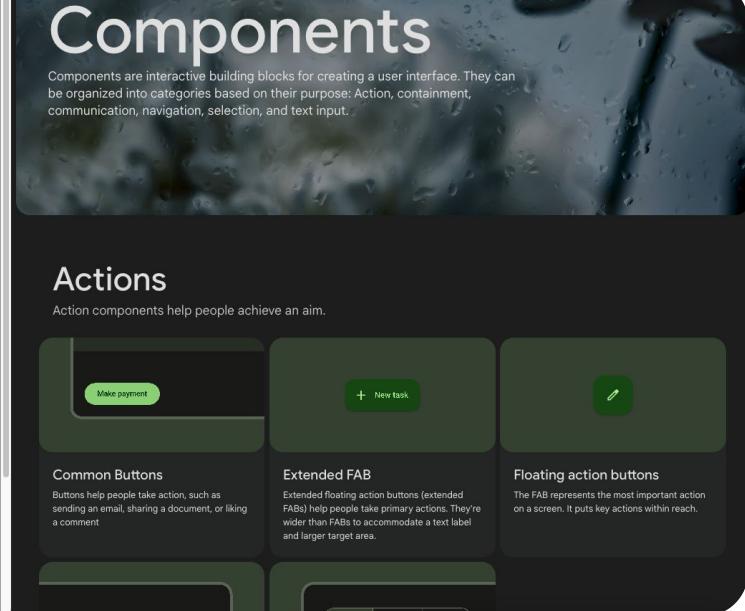
**Guia
de Estilo**



**Biblioteca de
Componentes**



The image shows the Material Design 3.0 website homepage. The main header features the text "Material Design" in a large, bold, sans-serif font. Below it is a sub-header: "Material 3 is the latest version of Google's open-source design system. Design, build beautiful, usable products with Material 3." A "Get started" button is located in a blue rounded rectangle. To the left is a vertical navigation bar with icons for Home, Get started, Develop, Foundations, Styles, Components, and Blog. To the right is a vertical sidebar titled "Components overview" with a list of components: Badges, Bottom app bar, Bottom sheets, Buttons, Cards, Carousel, Checkbox, Chips, Date pickers, Dialogs, Divider, Lists, Menus, Navigation bar, Navigation drawer, Navigation rail, Progress indicators, Radio button, Search, Side sheets, Sliders, and Snackbar. At the bottom left are two cards: "Android Developer Summit" and "Announcing Relay Alpha".



The image shows two sections of the Material Design website: "Components" and "Actions". The "Components" section has a large title "Components" and a subtext: "Components are interactive building blocks for creating a user interface. They can be organized into categories based on their purpose: Action, containment, communication, navigation, selection, and text input." The "Actions" section has a large title "Actions" and a subtext: "Action components help people achieve an aim." It features three cards: "Common Buttons" (with a "Make payment" button), "Extended FAB" (with a "New task" button), and "Floating action buttons" (with a pencil icon). The sidebar on the left of the "Components" section is identical to the one on the homepage.

Material Design 3.0

Learn how to design great apps and games that integrate seamlessly with Apple platforms.

Hello

H:280 S:67 B:67

What's new

Explore inspirational designs, videos, articles and resources. Keep informed about the latest additions and updates to design guidance.

[View Updates >](#)

Overview What's new Guidelines Resources

Design articles

News - June 7, 2022
Apple Design Award winners announced
[Read](#)

Articles
Meet the new Human Interface Guidelines
[Read](#)

Article
Challenge: Pixel perfect design
[Read](#)

Apple Design Resources

Design apps quickly and accurately by using Sketch, Photoshop, and XD templates, guides, and other resources.

[Go to Apple Design Resources >](#)

June 2020

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday																										

Time 09:41 AM

H:280 S:67 B:67

Large Title

Color palette

Sketch interface

Apple - Diretrizes de Interface Humana



Search

Spectrum

Foundation

Content

Components

Patterns

Tools and resources

Support

Spectrum CSS

React Spectrum

Spectrum Web Components

Spectrum, Adobe's design system

Spectrum provides components and tools to help product teams work more efficiently, and to make Adobe's applications more cohesive.



Principles

Get to know our foundational thinking and how we put it into action across our design system.

Resources

Download resources to help you design faster and with more precision.

[Download Adobe XD plugin](#)



Search

Spectrum

Foundation

Content

Components

Actions

Action bar

Action button

Action group

Button

Button group

Close button

Link

Menu

Containers

Data visualization

Feedback

Inputs

Navigation

Status

Typography

Icons

Action bar

Action bars are used for single and bulk selection patterns, when a user needs to perform actions on either a single or multiple items at the same time.

Version 4.0.0

224 selected

224 selected



Download UI kit
XD file



View component
Spectrum CSS

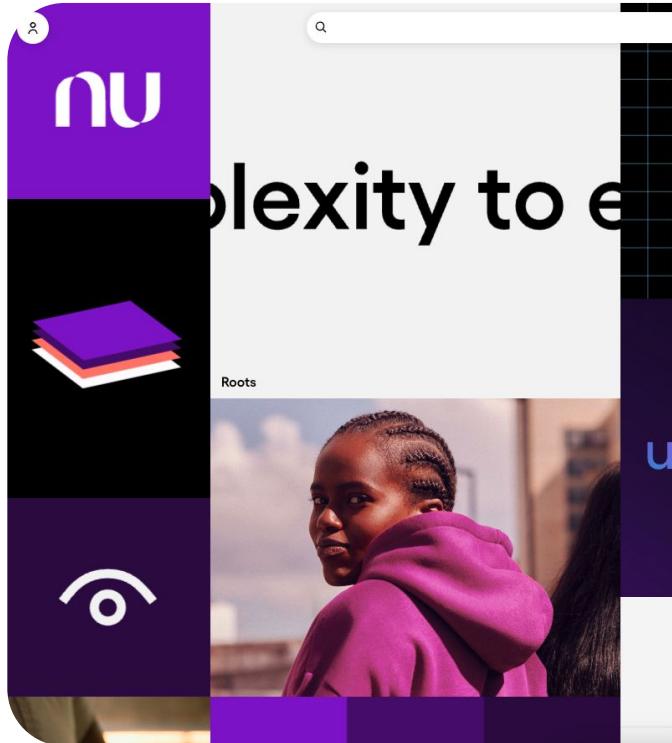


View component
Web Components

Table of contents

Anatomy

Spectrum - Adobe



en

Grid

Logo alignment

The logo, as well as the text, should be aligned to the left. The logo may be scaled, respecting its minimum reduction and considering the margin of 1(one) unit on the left side and the minimum of 2 (two) units on the right side.

Misuse

In vertical layouts, the block where the logo is applied should not exceed more than half of the width and no more than 1/4 of the height of the format.

In square(ish) layouts, the block where the logo is applied should not be greater than half of the width and height.

In horizontal layouts, the block where the logo is applied should not exceed 1/3 of the width.

Visão geral

Criando um Grid

Grid tool

Exemplos

Logo alignment

en

Logo alignment

The logo, as well as the text, should be aligned to the left. The logo may be scaled, respecting its minimum reduction and considering the margin of 1(one) unit on the left side and the minimum of 2 (two) units on the right side.

Misuse

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In square(ish) layouts, the block where the logo is applied should not be greater than half of the width and height.

In horizontal layouts, the block where the logo is applied should not exceed 1/3 of the width.

Vertical

Horizontal

Square(ish)

en

A revolução roxa dos investimentos começou.

Simples, transparente e inovador.

Abra sua conta

nu

Simples, transparente e inovador: conheça o Nubank.

Abra sua conta

nu

en

Vertical

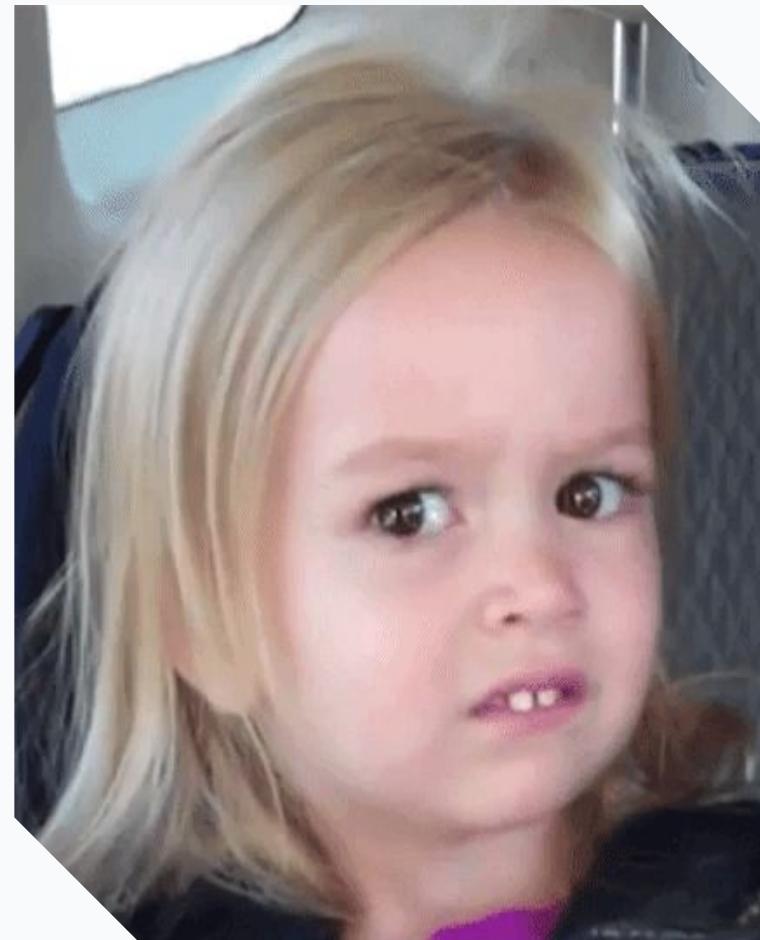
Horizontal

Square

Misuse



Mas, e o Flutter?



Flutter

Interfaces incríveis!

Liberdade



Flutter

Interfaces incríveis!

Liberdade

```
class MeuTestDS extends StatelessWidget {  
  @override  
  build(BuildContext context) {  
    return MaterialApp(  
      theme: MeuDS.light(),  
      home: Scaffold(appBar: MeuAppBar(),  
      [...],  
    );  
  }  
  
  void main() {  
    runApp(MeuTestDS())  
  }  
}
```

Por que

Flutter e Design System?



Consistência



Garantir a consistência da interface do usuário em toda a aplicação.



Eficiência



**Economizar tempo e esforço na
criação de componentes de
interface do usuário**



Escalabilidade



Escalar a aplicação com mais
facilidade



Manutenção



Design centralizado onde é
possível alterar algo em um
único local



Custo

Investimento: Tempo x Dinheiro

E aí,

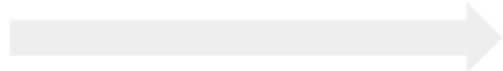
vale a pena?

?.?.?

Era uma vez...

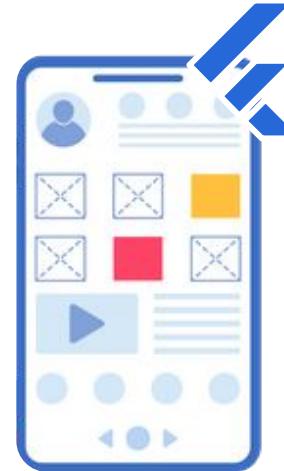
Desejamos criar novas aplicações internas

CARAMELO'S



Desejamos criar novas aplicações internas

CARAMELO'S





Desejamos criar novas aplicações internas



Solução



App principal



App interno



Desejamos criar novas aplicações internas

Solução



App principal

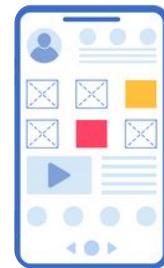


App interno

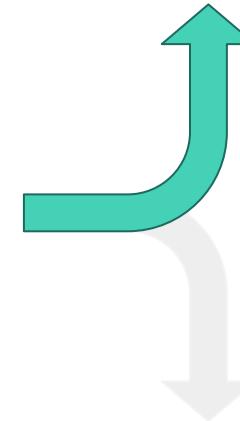


Desejamos criar novas aplicações internas

Solução



App principal

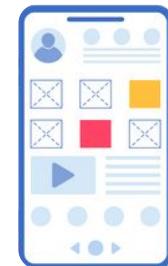


App interno

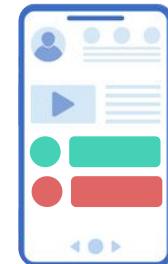
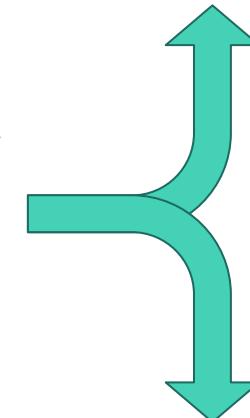


Desejamos criar novas aplicações internas

Solução



App principal



App interno



Yeahhh!

**Chegamos em uma solução,
agora podemos codar?**

```
class MeuTestDS extends StatelessWidget {
  @override
  build(BuildContext context) {
    return MaterialApp(
      theme: MeuDS.light(),
      home: Scaffold(appBar: MeuAppBar()),
      [...],
    );
  }
}

void main() {
  runApp(MeuTestDS())
}
```

```
// MeuDS Estrutura
- lib
  /components
  /theme
  // Exportar design
  meu_ds.dart
- pubspec.yaml
- [...]
```



Palavras-chave

Atomic Design
StoryBook
ShowRoom

Dicas para começar

Identifique a necessidade



Crie um plano de ação

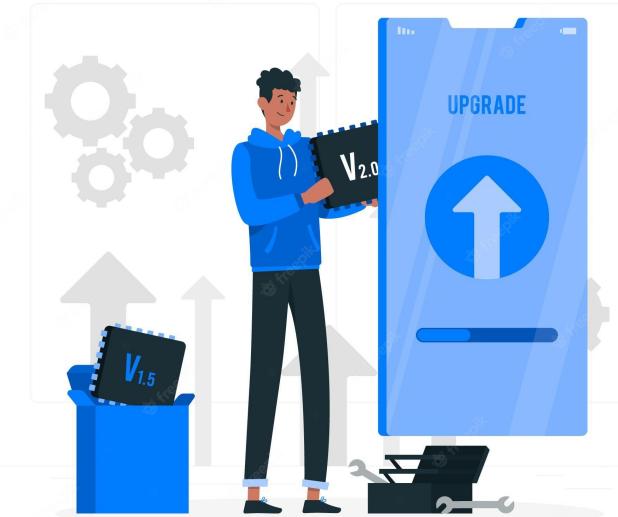


SLIDEMODEL.COM

Envolva a equipe



Design System atualizado



Explore os recursos tecnológicos



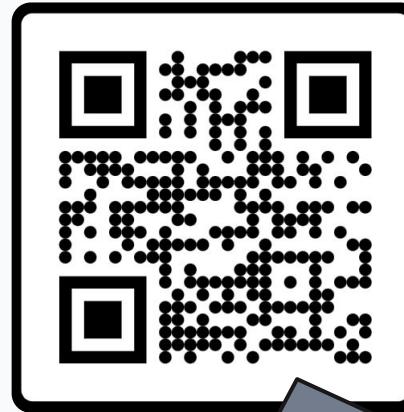
Projetos Flutter com Design System

Obrigado

Dúvidas?



Michael Martins



Leia o QR Code para
dicas, links e conteúdos
da palestra