



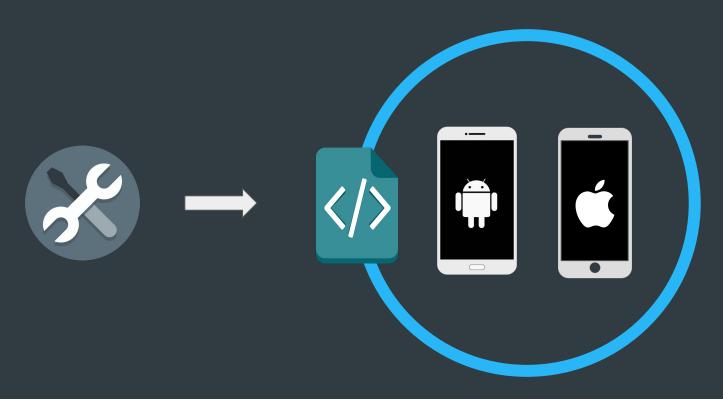
Olá, boa tarde!

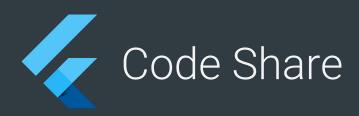


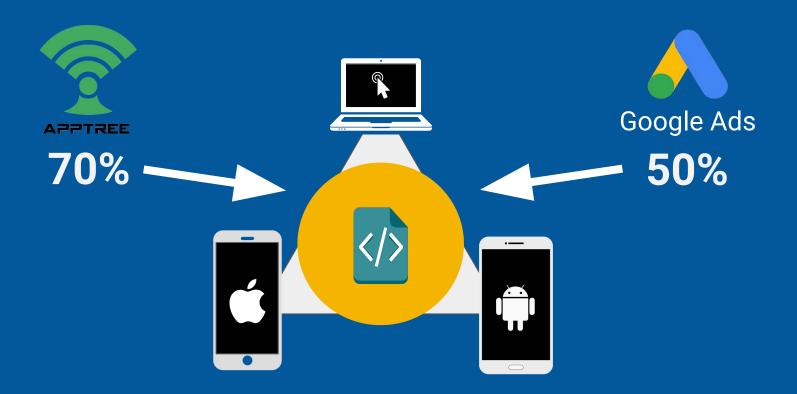






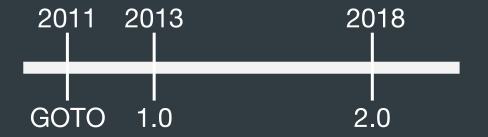








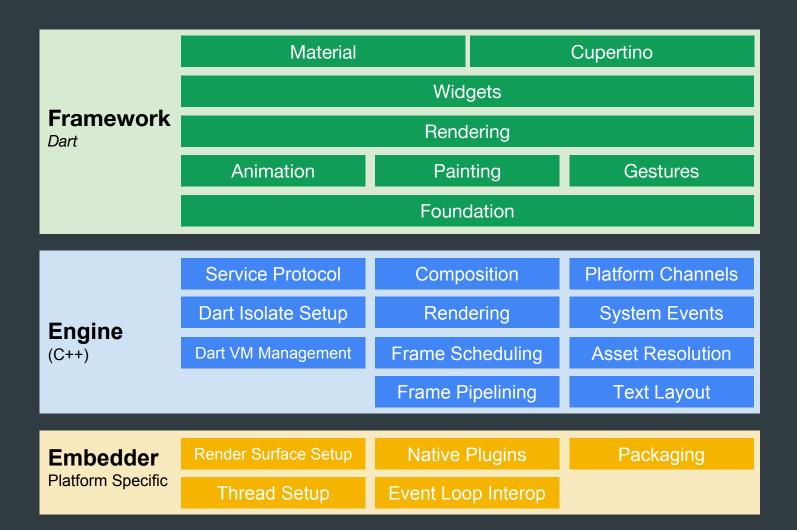








Visão Geral





Tools/Features





```
≣ main.dart ×
                                                                                         Flutter Demo Home Page
               void _incrementCounter() {
                 setState(() {
                   _counter++;
Widget build(BuildContext context) {
                return new Scaffold(
                   appBar: new AppBar(
                    title: new Text(widget.title),
                   ), // AppBar
                   body: new Center(
                                                                                     Button clicked 0 times
                     child: new Text(
                       'Button clicked $_counter times',
                       style: Theme.of(context).textTheme.display1,
                   floatingActionButton: new FloatingActionButton(
                     onPressed: _incrementCounter,
                     tooltip: 'Increment',
                     child: new Icon(Icons.add),
```



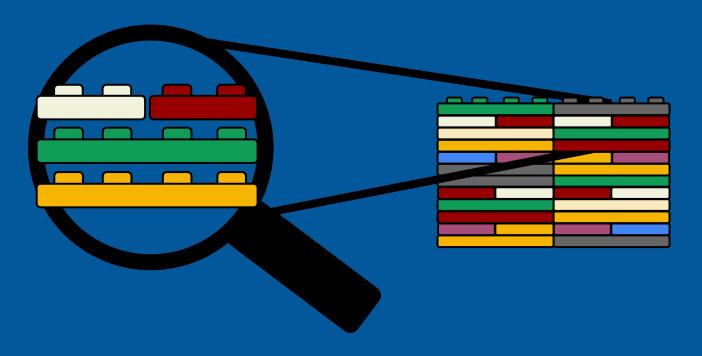
UI - As code



```
@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: const Text('Plugin example app'),
    body: Center(
    floatingActionButton: FloatingActionButton(
      child: const Icon(Icons.battery unknown),
      onPressed: () async {
           print("New Level: $ batteryLevel");
        print("Level: $ batteryLevel");
```



Aggressive composability



WWW

<div class="greybox">

<div class="redbox">

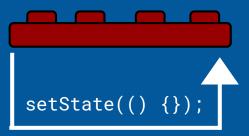
```
Lorem ipsum
  </div>
</div>
.greybox {
  background-color:#e0e0e0; /*grey300*/
  width: 320px;
  height: 240px;
  font: 900 24px Roboto;
  display: flex;
  align-items: center;
  justify-content: center;
.redbox {
  background-color:#ef5350; /*red400*/
  padding: 16px;
  color: #ffffff;
  width: 100%;
  max-width: 240px;
```

Flutter

```
var container = Container( //grey
  child: Center(
    child: Container( //red
      child: Text(
        "Lorem ipsum",
        style: bold24Roboto,
      decoration: BoxDecoration(
        color: Colors.red[400],
      padding: EdgeInsets.all(16.0),
      width: 240.0,//max-width 240.0
    ), // Container
  ), // Center
  width: 320.0,
  height: 240.0,
  color: Colors.grey[300],
   // Container
```







Form, Image, Scrollable, etc

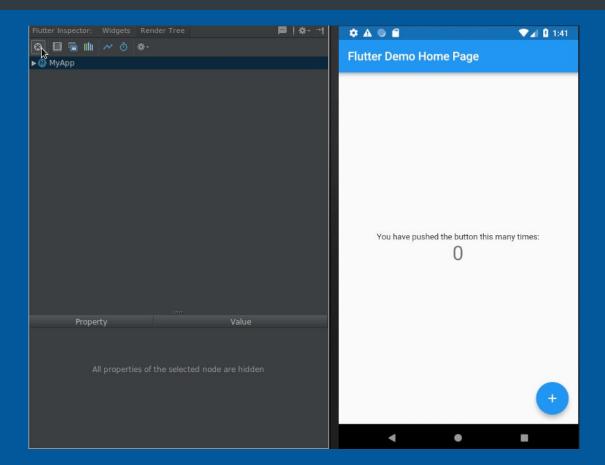
Stateless



Text, Icon, AssetImage, ...



Widget Inspector



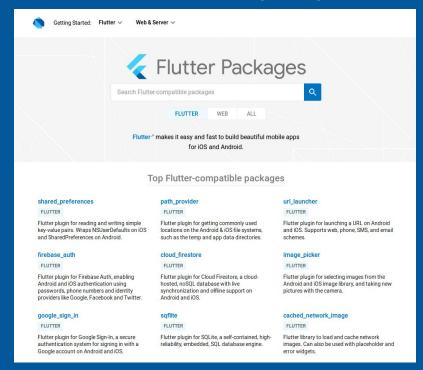






Dependências/Packages

pub.dartlang.org/





Battery Exemple

battery (AL Flu	□ Q goderbauer@google.com
README.md	CHANGELOG.md	Example	Installing	Versions	92 int	f(Q jackson@google.com
Popularity:				84	Ar Ho	□ Q sigurdm@google.com □ Q cbracken@google.com
Health:					100 Is:	\(\text{qspencer(a)qoogle.com}\)
Maintenance:				9	2 AL	BSD (LICENSE)
Overall:				Learn more ab	out scoring.	Dependencies flutter, meta
						More Packages that depend on battery



Dependências/Packages

pubspec.yaml

```
name: tche_linux_app
description: A new Flutter
application.
version: 0.0.1
environment:
  sdk: ">=2.0.0-dev.68.0 <3.0.0"
dependencies:
  flutter:
    sdk: flutter
  cupertino_icons: ^0.1.2
  battery: ^0.2.3
dev_dependencies:
  flutter_test:
    sdk: flutter
```

```
# The following section is specific
to Flutter.
flutter:
  uses-material-design: true
# assets:
   - images/a_dot_burr.jpeg
   - images/a_dot_ham.jpeg
  fonts:
    - family: Schyler
      fonts:
        - asset: fonts/Schyler.ttf
        - asset: fonts/SchylerI.ttf
          style: italic
    - family: Trajan Pro
      fonts:
        - asset: fonts/Trajaro.ttf
          weight: 700
```



Dependências/Packages

```
@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
     title: const Text('Plugin example app'),
    body: Center(
     child: Text('$ batteryState'),
    floatingActionButton: FloatingActionButton(
     child: const Icon(Icons.battery unknown),
     onPressed: () async {
        final int batteryLevel = await battery.batteryLevel;
        showDialog<Null>(
         builder: ( ) => AlertDialog(
            content: Text('Battery: $batteryLevel%'),
           actions: <Widget>[
               FlatButton(
               child: const Text('OK'),
               onPressed: () {
                 Navigator.pop(context);
```

```
4 6
                   "□" (S ▼ 4G / 22:44
      Battery: 45%
                              OK
```



Arquitetura Flutter











Cursos e Eventos



Flutter Live (Dezembro)

developers.google.com/events/flutter-live



Code Labs Flutter

flutter.io/docs/codelabs

Udacity e Google

br.udacity.com/course/build-native-mobile-apps-with-flutter--ud905





flutter.io



bit.ly/BoringShow



itsallwidgets.com



Flutter - @flutterio

Brian Egan - @brianegan

Andrew Brogdon - @RedBrogdon

Filip Hráček - @filiphracek

Emily Fortuna - @bouncingsheep



State Experiments github.com/filiph/state_experiments

Architecture Samples github.com/brianegan/flutter_architecture_samples





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Obrigado!