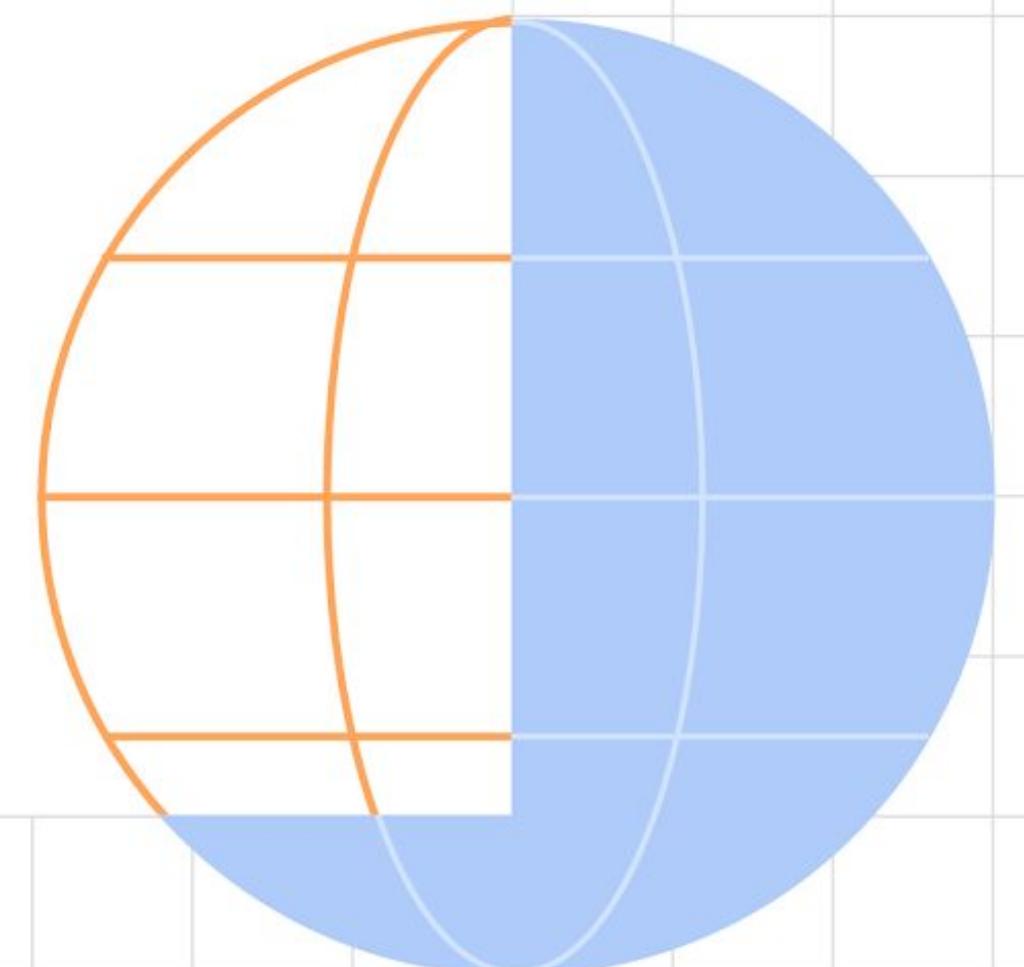




Make the code work for you: Flutter Code Generation



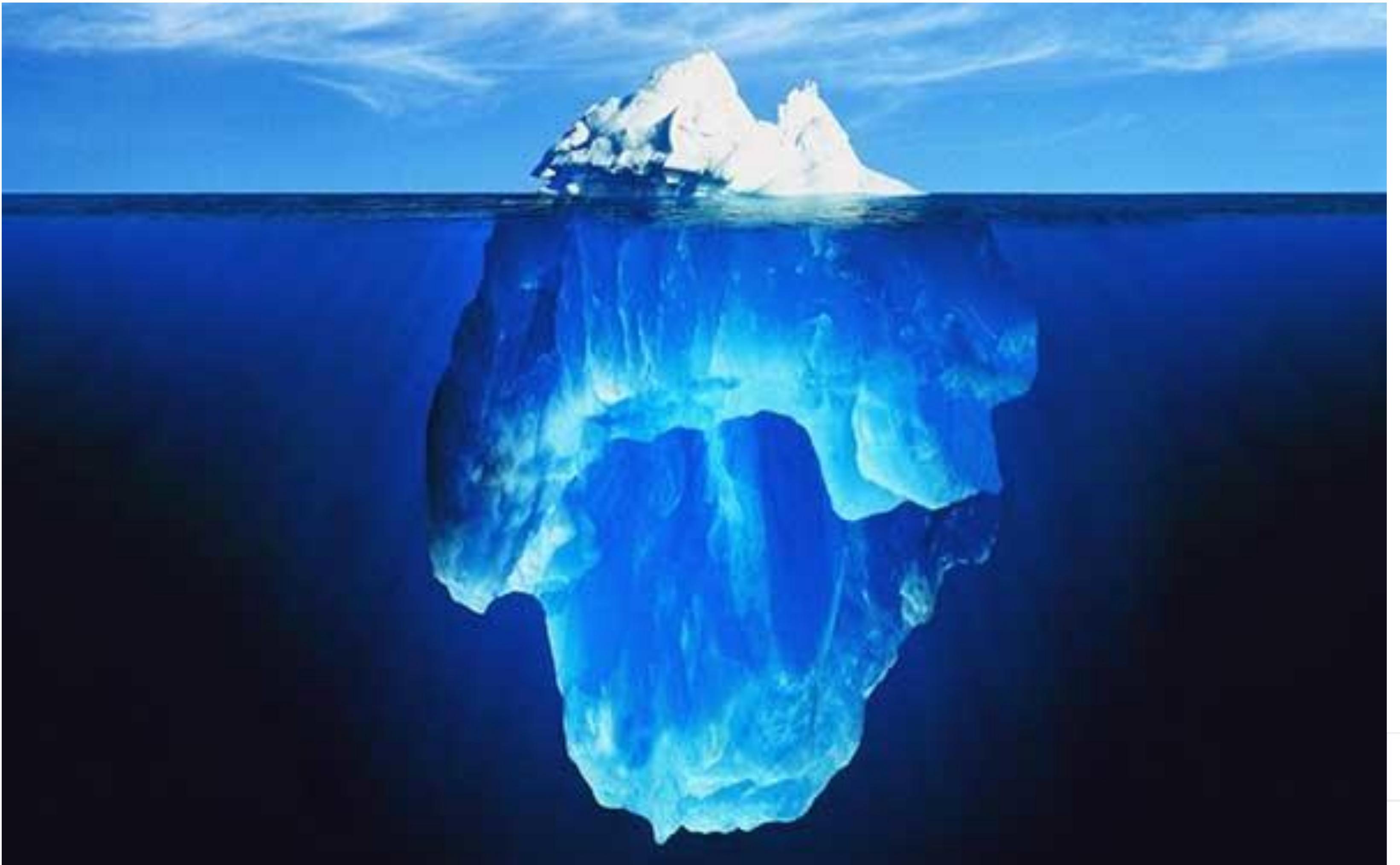
Mangirdas Kazlauskas
GDE for Flutter & Dart
[@mkobuolys](https://twitter.com/mkobuolys) | kazlauskas.dev



Expectations

This talk

Flutter Code Generation

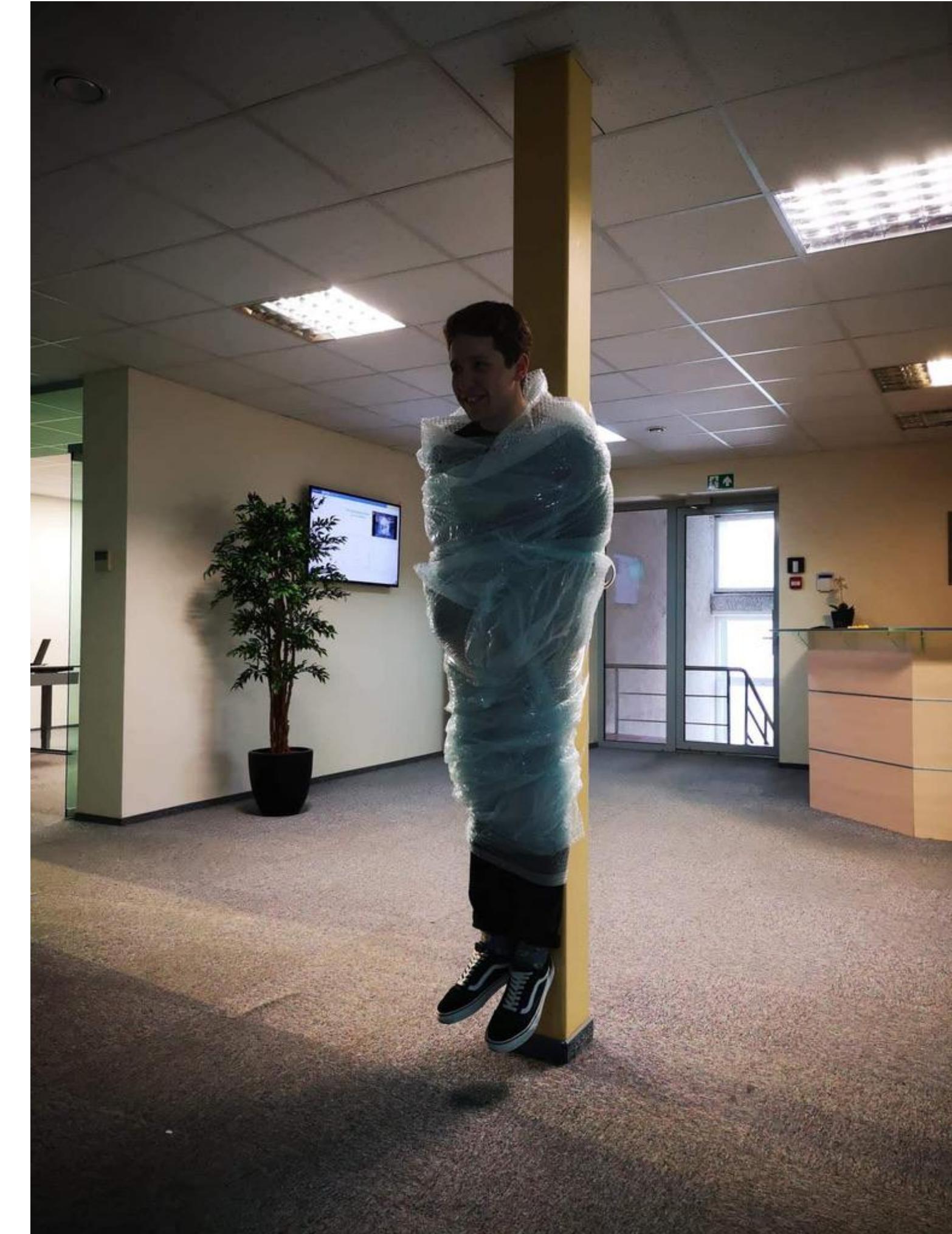


Agenda

- Localization
- Assets
- State management & navigation
- Widgets

About me

- Software Engineer from Lithuania 🇩🇪
- Mobile Tech Lead @ **billo**
- Google Developer Expert for Flutter & Dart ❤️
- Organiser @ Flutter Vilnius
- Your go-to Flutter meme person



What is Code Generation



Basic development flow

What is Code Generation

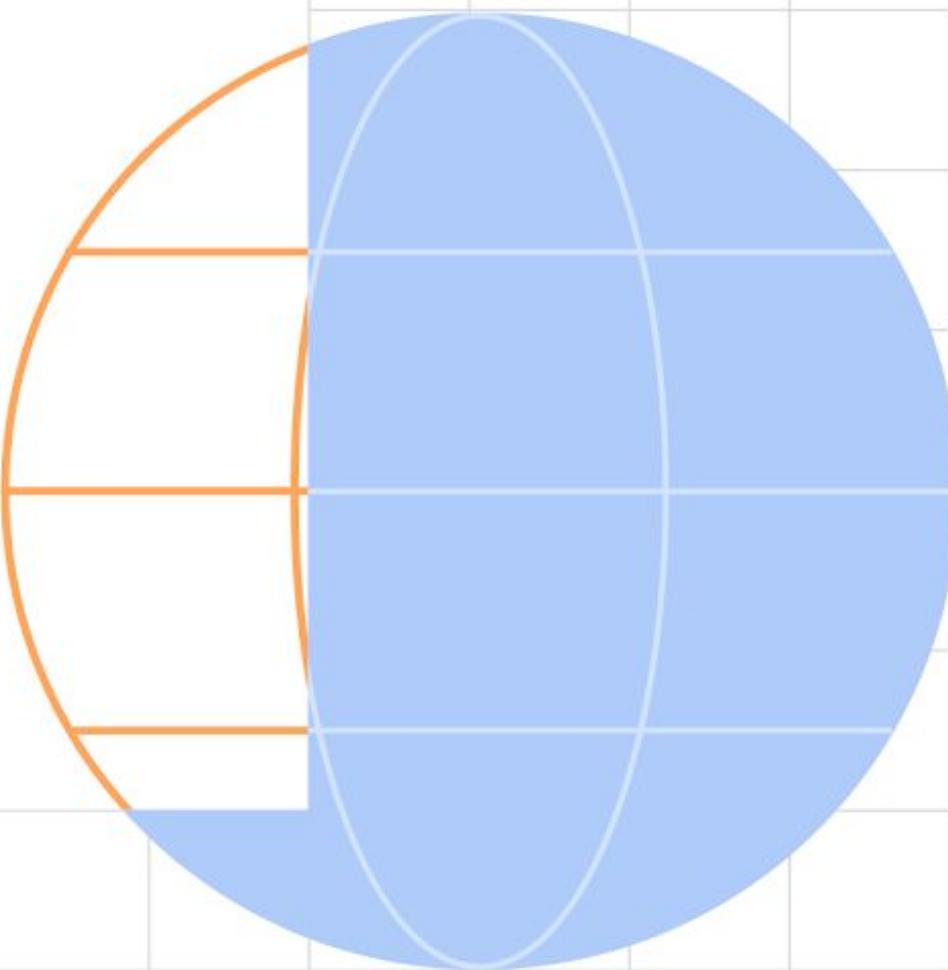


Basic development flow



Development flow with code generation

Localization



intl

Provides internationalization and localization facilities, including message translation, plurals and genders, date/number formatting and parsing, and bidirectional text.



intl 0.17.0

Published Feb 3, 2021 · [dart.dev](#) Null safety

DART NATIVE JS FLUTTER ANDROID IOS LINUX MACOS WEB WINDOWS

1.74K

[Readme](#) [Changelog](#) [Installing](#) [Versions](#) [Scores](#)

Provides internationalization and localization facilities, including message translation, plurals and genders, date/number formatting and parsing, and bidirectional text.

General

The most important library is `intl`. It defines the `Intl` class, with the default locale and methods for accessing most of the internationalization mechanisms. This library also defines the `DateFormat`, `NumberFormat`, and `BidiFormatter` classes.

Current locale



1736 LIKES 120 PUB POINTS 100% POPULARITY

Publisher

[dart.dev](#)

Metadata

Contains code to deal with internationalized/localized messages, date and number formatting and parsing, bi-directional text, and other internationalization issues.

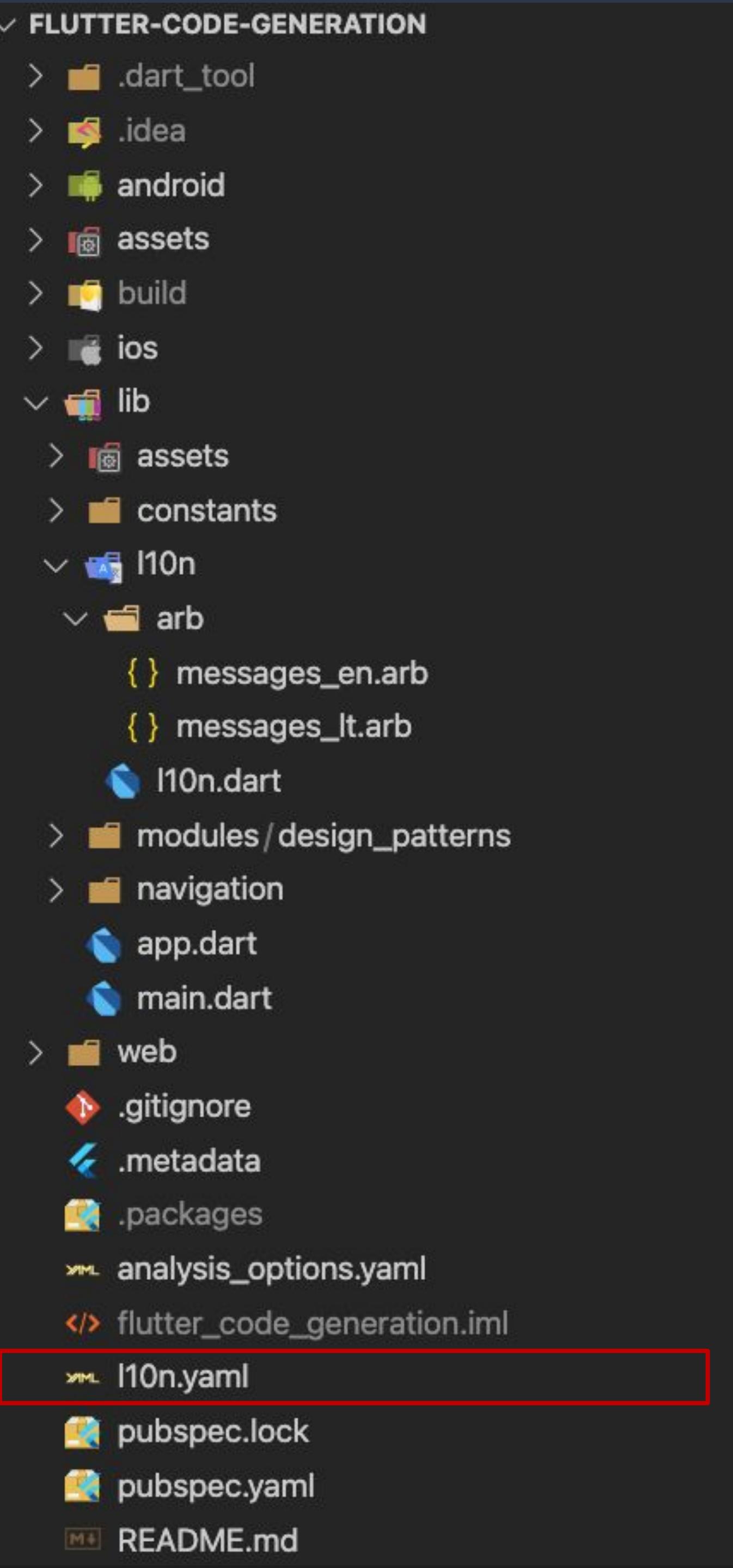
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pubspec.yaml

```
1  name: flutter_code_generation
2  description: Examples of Flutter Code Generation.
3  version: 1.0.0+1
4
5  environment:
6    sdk: ">=2.19.0 <3.0.0"
7
8  dependencies:
9    flutter:
10      sdk: flutter
11      # Internationalization support.
12      flutter_localizations:
13        sdk: flutter
14      intl: ^0.17.0
15
16    flutter:
17      # Adds code generation (synthetic package) support
18      generate: true
```

l10n.yaml

```
1 arb-dir: lib/l10n/arb
2 template-arb-file: messages_en.arb
3 output-localization-file: app_localizations.dart
```

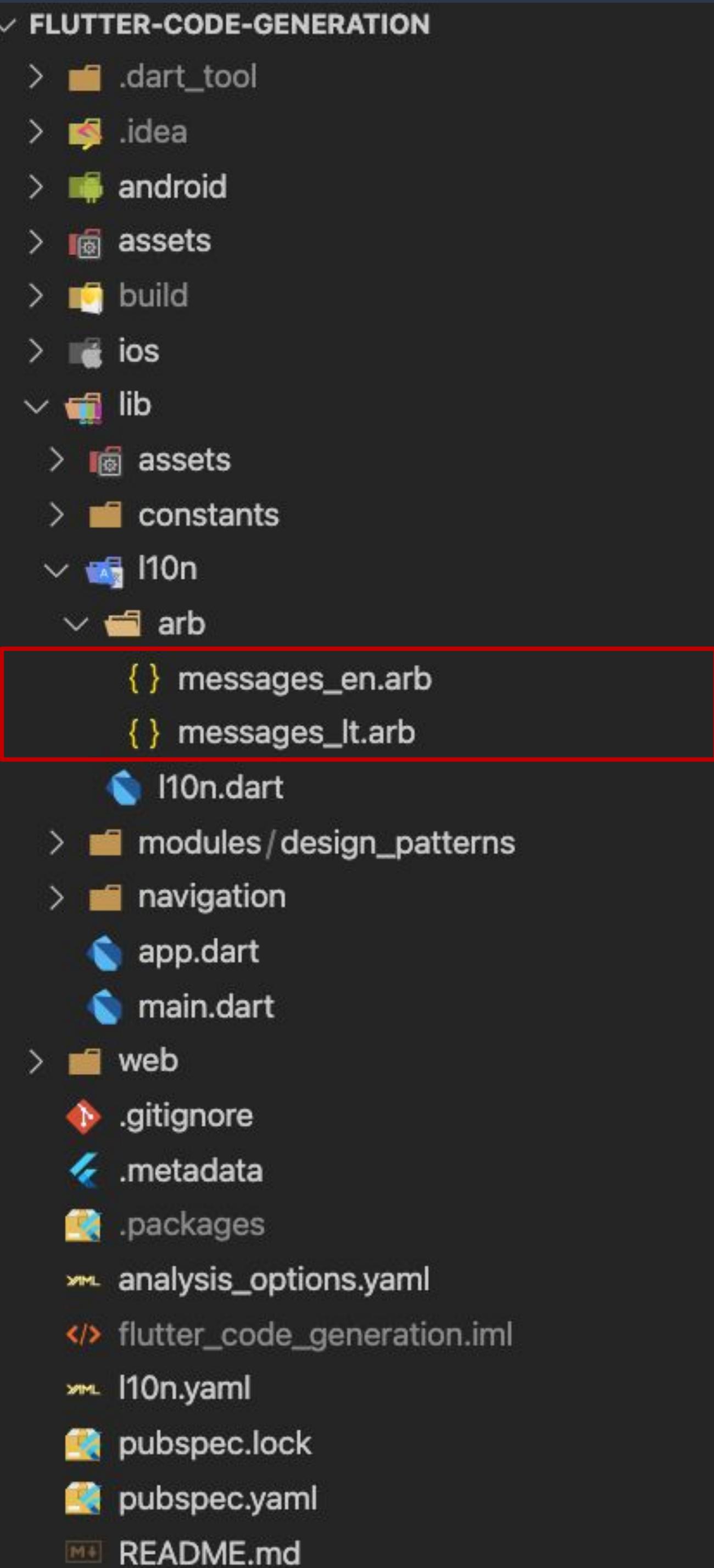


ARB (.arb) files

```
1  {
2      "@@locale": "en",
3      "appTitle": "Flutter Code Generation",
4      "@appTitle": {
5          "description": "Main menu page title."
6      },
7      "localizationExamplesTitle": "Localization Examples",
8      "@localizationExamplesTitle": {
9          "description": "Localization examples page title."
10     },
11     ...
12 }

1  {
2      "@@locale": "lt",
3      "appTitle": "Flutter Code Generation",
4      "localizationExamplesTitle": "Lokalizacijos pavyzdžiai",
5      "localizationExamplesLocaleText": "Lokalė: {locale}",
6      "localizationExamplesCurrentDateText": "Šiandienos data: {date}",
7      "localizationExamplesCurrencyText": "Kaina: {price}",
8      "localizationExamplesButtonPressedText": "{count, plural, =0 {Jūs dar nepaspaudėte mygtuko}
=1 {Jūs paspaudėte mygtuką vieną kartą} other {Jūs paspaudėte mygtuką tiek kartų: {count}}}",
9      ...
10 }
```

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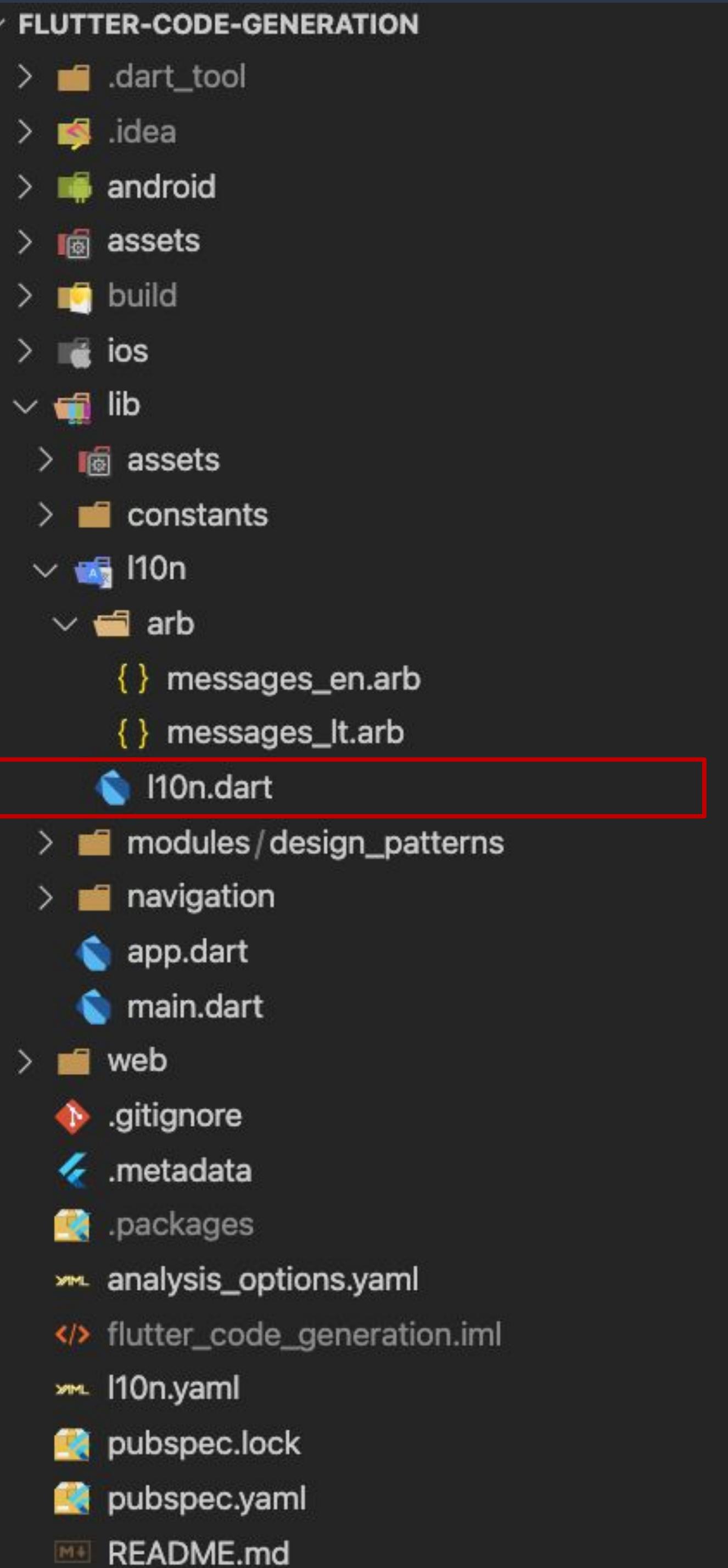
l10n.dart (optional)

```
1 import 'package:flutter/widgets.dart';
2
3 import 'package:flutter_gen/gen_l10n/app_localizations.dart';
4 export 'package:flutter_gen/gen_l10n/app_localizations.dart';
5
6 extension AppLocalizationsExtension on BuildContext {
7   AppLocalizations get l10n => AppLocalizations.of(this)!;
8 }
```

```
1 AppBar(
2   title: Text(context.l10n.appTitle), - w/ extension
3 ),
```

```
1 AppBar(
2   title: Text(AppLocalizations.of(context)!.appTitle), - w/o extension
3 ),
```

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ARB -> Dart: Simple parameter

```
1 "localizationExamplesTitle": "Localization Examples",  
2 "@localizationExamplesTitle": {  
3   "description": "Localization examples page title."  
4 },  
5 "localizationExamplesLocaleText": "Locale: {locale}",  
6 "@localizationExamplesLocaleText": {  
7   "description": "Localization examples locale text.",  
8   "placeholders": {  
9     "locale": {  
10       "type": "String",  
11       "example": "en"  
12     }  
13   }  
14 },
```

```
1 /// The translations for English (`en`).  
2 class AppLocalizationsEn extends AppLocalizations {  
3   AppLocalizationsEn([String locale = 'en']) : super(locale);  
4  
5   @override  
6   String get localizationExamplesTitle => 'Localization Examples';  
7  
8   @override  
9   String localizationExamplesLocaleText(String locale) {  
10     return 'Locale: $locale';  
11   }  
12 }
```

ARB -> Dart: Date, currency

```
1 "localizationExamplesCurrentDateText": "Today's date: {date}",
2 "@localizationExamplesCurrentDateText": {
3   "description": "Localization examples current date and time text.",
4   "placeholders": {
5     "date": {
6       "type": "DateTime",
7       "format": "yMMMMd"
8     }
9   }
10 },
11 "localizationExamplesCurrencyText": "Price: {price}",
12 "@localizationExamplesCurrencyText": {
13   "description": "Localization examples current date and time text.",
14   "placeholders": {
15     "price": {
16       "type": "double",
17       "format": "simpleCurrency",
18       "optionalParameters": {
19         "decimalDigits": 2
20       }
21     }
22   }
23 },
```

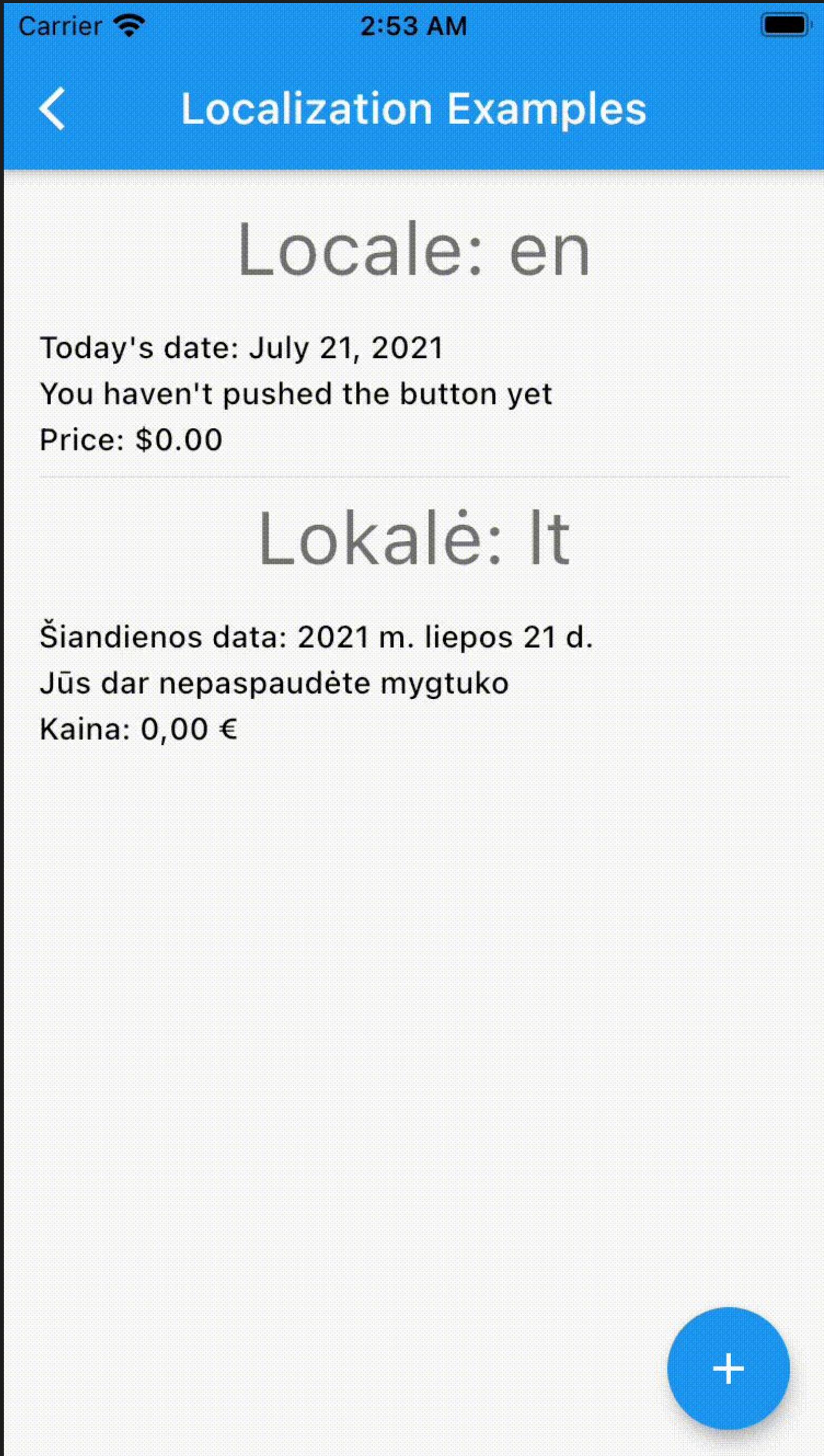
```
1 @override
2 String localizationExamplesCurrentDateText(DateTime date) {
3   final intl.DateFormat dateDateFormat = intl.DateFormat.yMMMMd(localeName);
4   final String dateString = dateDateFormat.format(date);
5
6   return 'Today\'s date: $dateString';
7 }
8
9 @override
10 String localizationExamplesCurrencyText(double price) {
11   final intl.NumberFormat priceNumberFormat = intl.NumberFormat.simpleCurrency(
12     locale: localeName,
13     decimalDigits: 2
14   );
15   final String priceString = priceNumberFormat.format(price);
16
17   return 'Price: $priceString';
18 }
```

ARB -> Dart: Plurals

```
1 "localizationExamplesButtonPressedText": "{count, plural, =0 {You haven't pushed  
the button yet} =1 {You have pushed the button once} other {You have pushed the  
button this many times: {count}}}",  
2 "@localizationExamplesButtonPressedText": {  
3   "description": "Localization examples button pressed example text.",  
4   "placeholders": {  
5     "count": {  
6       "type": "int",  
7       "format": "decimalPattern",  
8       "example": "10"  
9     }  
10    }  
11  },  
12  @override  
13  String localizationExamplesButtonPressedText(int count) {  
14    final intl.NumberFormat countNumberFormat = intl.NumberFormat.decimalPattern(localeName);  
15    final String countString = countNumberFormat.format(count);  
16  
17    return intl.Intl.pluralLogic(  
18      count,  
19      locale: localeName,  
20      zero: 'You haven\'t pushed the button yet',  
21      one: 'You have pushed the button once',  
22      other: 'You have pushed the button this many times: $count',  
23    );  
24  }
```

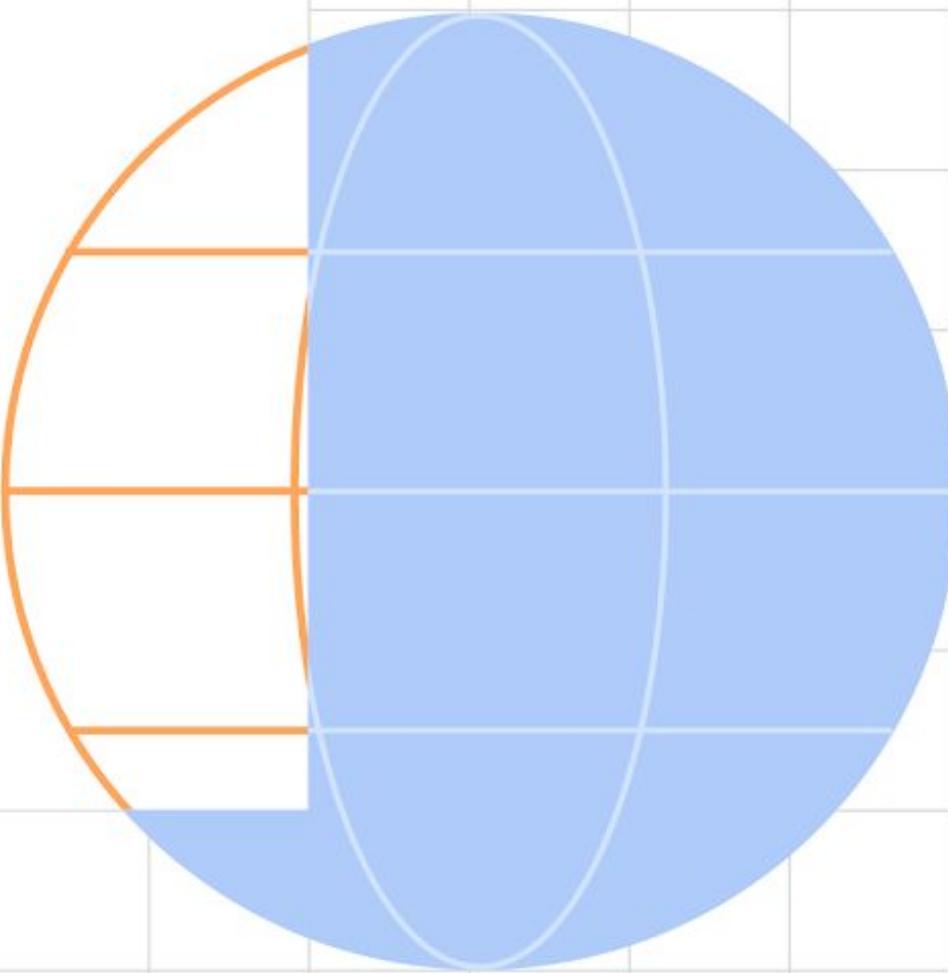
Usage

```
1 final l10n = context.l10n;
2
3 Column(
4   mainAxisAlignment: MainAxisAlignment.start,
5   children: [
6     Center(
7       child: Text(
8         l10n.localizationExamplesLocaleText(languageCode),
9         style: Theme.of(context).textTheme.headlineMedium,
10      ),
11    ),
12    const SizedBox(height: LayoutConstants.spaceL),
13    Text(
14      l10n.localizationExamplesCurrentDateText(DateTime.now()),
15      style: textStyle,
16    ),
17    const SizedBox(height: LayoutConstants.spaceS),
18    Text(
19      l10n.localizationExamplesButtonPressedText(counter),
20      style: textStyle,
21    ),
22    const SizedBox(height: LayoutConstants.spaceS),
23    Text(
24      l10n.localizationExamplesCurrencyText(counter * 345.67),
25      style: textStyle,
26    ),
27  ],
28 );
```





Assets



build_runner

Provides a concrete way of generating files using Dart code, outside of tools like pub.



build_runner 2.3.3

Published 2 months ago · [tools.dart.dev](#) Dart 3 ready · Latest: 2.3.3 / Preview: 2.4.0

SDK DART PLATFORM LINUX MACOS WINDOWS

1.3K

Readme Changelog Example Installing Versions Scores

Standalone generator and watcher for Dart using [package:build](#).

[open "package: build_runner" issues 38](#) [pub v2.4.0](#) [dartdocs latest](#) [chat on gitter](#)

The `build_runner` package provides a concrete way of generating files using Dart code, outside of tools like `pub`. Unlike `pub serve/build`, files are always generated directly on disk, and rebuilds are *incremental*-inspired by tools such as `Bazel`.

NOTE: Are you a user of this package? You may be interested in simplified user-facing documentation, such as our [getting started guide](#).

- Installation

1345 | 140 | 99%
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Publisher

[tools.dart.dev](#)

Metadata

A build system for Dart code generation and modular compilation.

[Repository \(GitHub\)](#)

[View/report issues](#)

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flutter_gen

The Flutter code generator
for your assets, fonts,
colors, ... - Get rid of all
String-based APIs.



flutter_gen 5.2.0

Published 26 days ago • [wasabeef.jp](#) Dart 3 ready

SDK DART FLUTTER PLATFORM LINUX MACOS WINDOWS

852 likes 140 pub points 96% popularity

Readme Changelog Example Installing Versions Scores

Publisher [wasabeef.jp](#)

Metadata

The Flutter code generator for your assets, fonts, colors, ... — Get rid of all String-based APIs.

Repository (GitHub) View/report issues

Documentation API reference

License MIT (LICENSE)



FLUTTERGEN

pub v5.2.0 Dart CI passing codecov 98% style flutter_lints

The Flutter code generator for your assets, fonts, colors, ... — Get rid of all String-based APIs.

@mkobuolys

pubspec.yaml – dependencies/assets

```
1 dependencies:
2   flutter:
3     sdk: flutter
4     flare_flutter: ^3.0.2
5     flutter_svg: ^2.0.2
6     lottie: ^2.2.0
7     rive: ^0.10.2
8
9 dev_dependencies:
10    build_runner: ^2.3.3
11    flutter_gen_runner: ^5.2.0
12
13 flutter:
14   uses-material-design: true
15   # Adds code generation (synthetic package) support
16   generate: true
17
18 assets:
19   - assets/color/
20   - assets/flare/
21   - assets/images/
22   - assets/images/icons/
23   - assets/json/
24   - assets/lottie/
25   - assets/rive/
26
27 fonts:
28   - family: Fuggles
29   fonts:
30     - asset: assets/fonts/Fuggles-Regular.ttf
```

pubspec.yaml – flutter_gen

```
1 flutter_gen:  
2   output: lib/assets/gen # Optional (default: lib/gen/)  
3   line_length: 80 # Optional (default: 80)  
4   null_safety: true # Optional (default: true)  
5  
6   integrations:  
7     flutter_svg: true  
8     flare_flutter: true  
9     lottie: true  
10    rive: true  
11  
12  colors:  
13    enabled: true  
14    inputs:  
15      - assets/color/colors.xml  
16  
17  assets:  
18    enabled: true  
19    # Assets.imagesDash  
20    # style: camel-case  
21    # Assets.images_dash  
22    # style: snake-case  
23    # Assets.images.dash (default style)  
24    # style: dot-delimiter  
25  
26  fonts:  
27    enabled: true
```

```
1 class $AssetsImagesIconsGen {  
2   const $AssetsImagesIconsGen(); - w/o integration  
3  
4   String get githubLogo => 'assets/images/icons/github_logo.svg';  
5   String get mediumLogo => 'assets/images/icons/medium_logo.svg';  
6   String get twitterLogo => 'assets/images/icons/twitter_logo.svg';  
7 }
```

```
1 class $AssetsImagesIconsGen {  
2   const $AssetsImagesIconsGen(); - w/ integration  
3  
4   SvgGenImage get githubLogo =>  
5       const SvgGenImage('assets/images/icons/github_logo.svg');  
6   SvgGenImage get mediumLogo =>  
7       const SvgGenImage('assets/images/icons/medium_logo.svg');  
8   SvgGenImage get twitterLogo =>  
9       const SvgGenImage('assets/images/icons/twitter_logo.svg');  
10 }
```

Generating assets

```
> flutter pub run build_runner build
```

FLUTTER-CODE-GENERATION

- > .dart_tool
- > .idea
- > android
- > assets
- > build
- > ios
- ✓ lib
- ✓ assets

- ✓ gen
 - assets.gen.dart
 - colors.gen.dart
 - fonts.gen.dart
- assets.dart

- constants
- i10n
- modules
- navigation
 - app.dart
 - main.dart

assets.gen.dart - Assets

```
1 flutter_gen:  
2   assets:  
3     enabled: true  
4  
5   outputs:  
6     class_name: MyAssets  
  
           class MyAssets {  
             MyAssets._();  
  
             static const $AssetsColorGen color = $AssetsColorGen();  
             static const $AssetsFlareGen flare = $AssetsFlareGen();  
             static const $AssetsImagesGen images = $AssetsImagesGen();  
             static const $AssetsJsonGen json = $AssetsJsonGen();  
             static const $AssetsRiveGen rive = $AssetsRiveGen();  
           }
```

assets.gen.dart - specific classes

```
1 class $AssetsColorGen {  
2   const $AssetsColorGen();  
3  
4   /// File path: assets/color/colors.xml  
5   String get colors => 'assets/color/colors.xml';  
6 }  
7  
8 class $AssetsFlareGen {  
9   const $AssetsFlareGen();  
10  
11  /// File path: assets/flare/penguin.flr  
12  FlareGenImage get penguin => const FlareGenImage('assets/flare/penguin.flr');  
13 }  
14  
15 class $AssetsImagesGen {  
16   const $AssetsImagesGen();  
17  
18   /// File path: assets/images/dash-1.png  
19   AssetGenImage get dash1 => const AssetGenImage('assets/images/dash-1.png');  
20  
21   /// File path: assets/images/dash-2.jpeg  
22   AssetGenImage get dash2 => const AssetGenImage('assets/images/dash-2.jpeg');  
23  
24   $AssetsImagesIconsGen get icons => const $AssetsImagesIconsGen();  
25 }
```

```
class $AssetsJsonGen {  
  const $AssetsJsonGen();  
  
  /// File path: assets/json/design_patterns.json  
  String get designPatterns => 'assets/json/design_patterns.json';  
}  
  
class $AssetsRiveGen {  
  const $AssetsRiveGen();  
  
  /// File path: assets/rive/vehicles.riv  
  RiveGenImage get vehicles => const RiveGenImage('assets/rive/vehicles.riv');  
}  
  
class $AssetsImagesIconsGen {  
  const $AssetsImagesIconsGen();  
  
  /// File path: assets/images/icons/github_logo.svg  
  SvgGenImage get githubLogo =>  
    const SvgGenImage('assets/images/icons/github_logo.svg');  
  
  /// File path: assets/images/icons/medium_logo.svg  
  SvgGenImage get mediumLogo =>  
    const SvgGenImage('assets/images/icons/medium_logo.svg');  
  
  /// File path: assets/images/icons/twitter_logo.svg  
  SvgGenImage get twitterLogo =>  
    const SvgGenImage('assets/images/icons/twitter_logo.svg');  
}
```

colors.gen.dart

```
1 flutter_gen:
2   colors:
3     enabled: true
4     inputs:
5       - assets/color/colors.xml
6     outputs:
7       class_name: MyColorName
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
```

```
1 class MyColorName {
2   MyColorName._();
3
4   static const Color black = Color(0xFF000000);
5   static const MaterialColor crimsonRed = MaterialColor(
6     0xFFCF2A2A,
7     <int, Color>{
8       50: Color(0xFFFF9E5E5),
9       100: Color(0xFFF1BFBF),
10      200: Color(0xFFE79595),
11      300: Color(0xFFDD6A6A),
12      400: Color(0xFFD64A4A),
13      500: Color(0xFFCF2A2A),
14      600: Color(0xFFCA2525),
15      700: Color(0xFFC31F1F),
16      800: Color(0xFFBD1919),
17      900: Color(0xFFB20F0F),
18    },
19  );
20  static const Color gray410 = Color(0xFF979797);
21  static const Color gray70 = Color(0xFFFFFFFF);
22  static const MaterialColor yellowOcher = MaterialColor(
23    0xFFDF9527,
24    <int, Color>{
25      50: Color(0xFFFFBF2E5),
26      100: Color(0xFFF5DFBE),
27      200: Color(0xFFEFC93),
28      300: Color(0FFE9B568),
29      400: Color(0FFE4A547),
30      500: Color(0xFFDF9527),
31      600: Color(0xFFDB8D23),
32      700: Color(0FFD7821D),
33      800: Color(0FFD27817),
34      900: Color(0FFCA670E),
35    },
36  );
37  static const MaterialAccentColor yellowOcherAccent = MaterialAccentColor(
38    0xFFFFBCA3,
39    <int, Color>{
40      100: Color(0xFFFFE8E0),
41      200: Color(0xFFFFBCA3),
42      400: Color(0xFFFFA989),
43      700: Color(0xFFFF9E7A),
44    },
45  );
46 }
```

fonts.gen.dart

```
1 flutter_gen:  
2   fonts:  
3     enabled: true  
4     outputs:  
5       class_name: MyFontFamily
```

```
class MyFontFamily {  
  MyFontFamily._();  
  
  /// Font family: Fuggles  
  static const String fuggles = 'Fuggles';  
}
```

Usage: Icons/images

```

1 Row(
2   mainAxisAlignment: MainAxisAlignment.center,
3   children: [
4     Assets.images.icons.githubLogo.svg(width: _iconWidth),
5     const SizedBox(width: LayoutConstants.spaceM),
6     Assets.images.icons.mediumLogo.svg(width: _iconWidth),
7     const SizedBox(width: LayoutConstants.spaceM),
8     Assets.images.icons.twitterLogo.svg(width: _iconWidth),
9   ],
10 );

```

```

1 Row(
2   mainAxisAlignment: MainAxisAlignment.spaceAround,
3   children: [
4     Assets.images.dash1.image(
5       height: _imageHeight,
6       width: _imageWidth,
7     ),
8     Assets.images.dash2.image(
9       height: _imageHeight,
10      width: _imageWidth,
11    ),
12  ],
13 );

```

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< Assets Examples

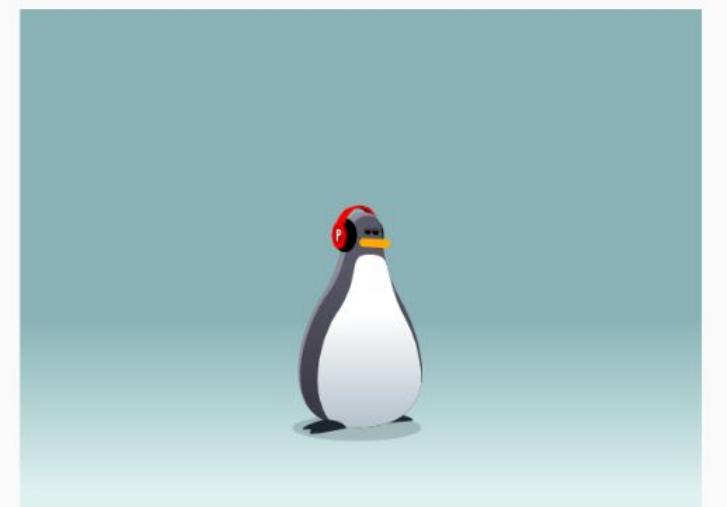
Icons



Images



Flare



Rive



Usage: Flare/Rive/fonts

```

1 Center(
2   child: SizedBox(
3     height: 200.0,
4     width: 200.0,
5     child: Assets.flare.penguin.flare(
6       animation: 'walk',
7     ),
8   ),
9 );
1 Text(
2   context.l10n.assetsExamplesFontsHelloWorldText,
3   style: Theme.of(context)
4     .textTheme
5     .displayMedium
6     ?.copyWith(fontFamily: FontFamily.fuggles),
7 );

```

@mkobuolys



Assets Examples

Flare



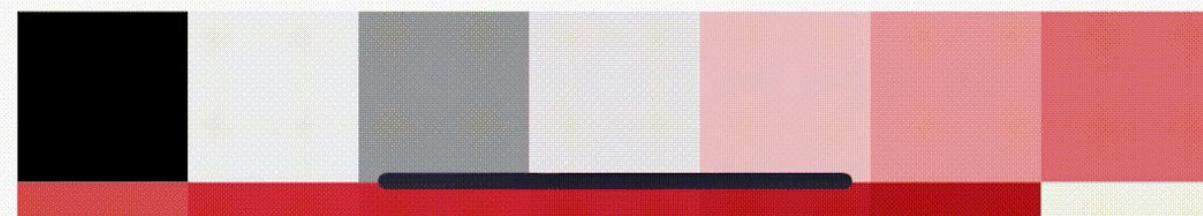
Rive



Fonts

Hello, World!

Colors



Usage: Colors

```

1  Wrap(
2    children: [
3      const _ColorCube(color: ColorName.black),
4      const _ColorCube(color: ColorName.gray70),
5      const _ColorCube(color: ColorName.gray410),
6      _ColorCube(color: ColorName.crimsonRed.shade50),
7      _ColorCube(color: ColorName.crimsonRed.shade100),
8      _ColorCube(color: ColorName.crimsonRed.shade200),
9      _ColorCube(color: ColorName.crimsonRed.shade300),
10     _ColorCube(color: ColorName.crimsonRed.shade400),
11     _ColorCube(color: ColorName.crimsonRed.shade500),
12     _ColorCube(color: ColorName.crimsonRed.shade600),
13     _ColorCube(color: ColorName.crimsonRed.shade700),
14     _ColorCube(color: ColorName.crimsonRed.shade800),
15     _ColorCube(color: ColorName.crimsonRed.shade900),
16     _ColorCube(color: ColorName.yellowOcher.shade50),
17     _ColorCube(color: ColorName.yellowOcher.shade100),
18     _ColorCube(color: ColorName.yellowOcher.shade200),
19     _ColorCube(color: ColorName.yellowOcher.shade300),
20     _ColorCube(color: ColorName.yellowOcher.shade400),
21     _ColorCube(color: ColorName.yellowOcher.shade500),
22     _ColorCube(color: ColorName.yellowOcher.shade600),
23     _ColorCube(color: ColorName.yellowOcher.shade700),
24     _ColorCube(color: ColorName.yellowOcher.shade800),
25     _ColorCube(color: ColorName.yellowOcher.shade900),
26     _ColorCube(color: ColorName.yellowOcherAccent.shade100),
27     _ColorCube(color: ColorName.yellowOcherAccent.shade200),
28     _ColorCube(color: ColorName.yellowOcherAccent.shade400),
29     _ColorCube(color: ColorName.yellowOcherAccent.shade700),
30   ],
31 );

```



Assets Examples



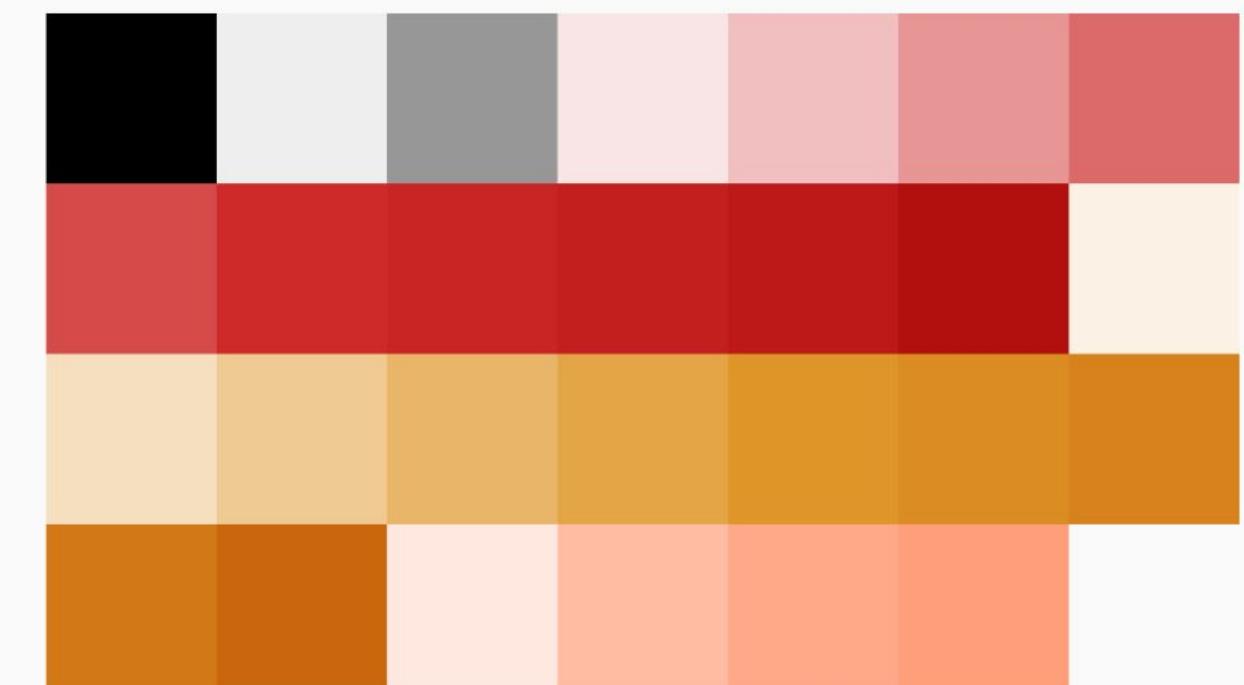
Rive



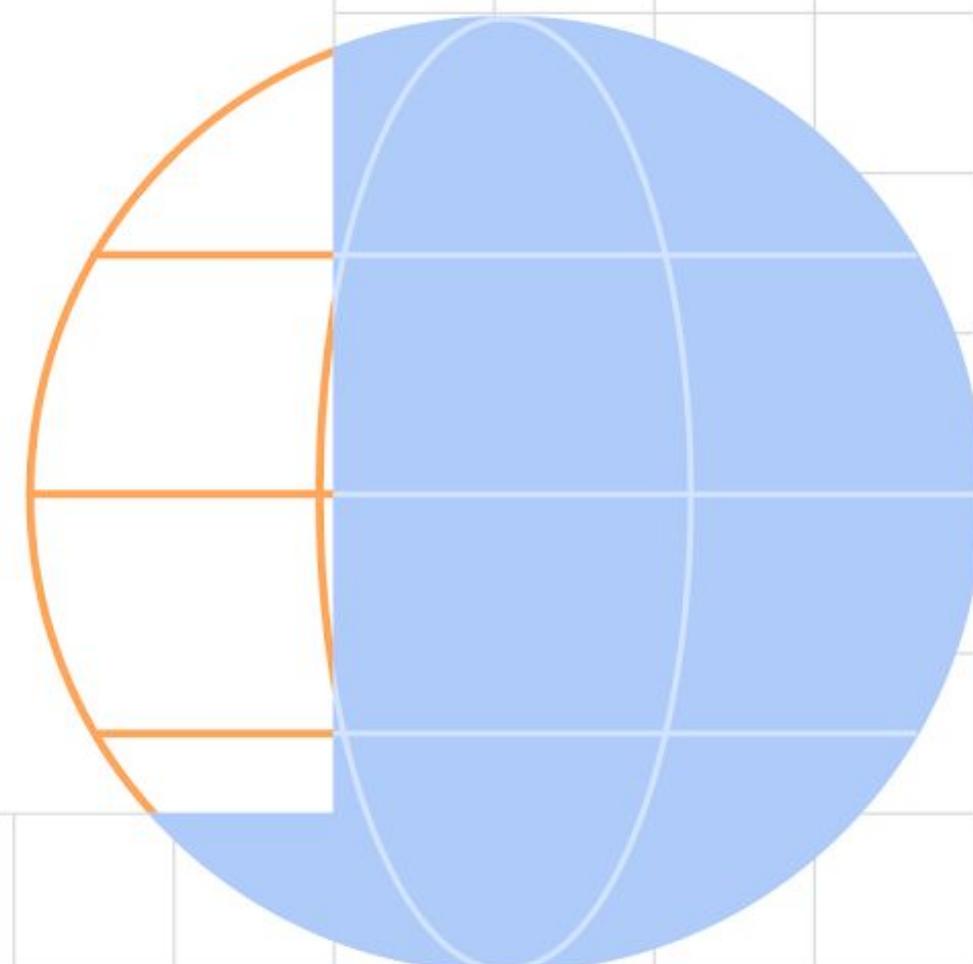
Fonts

Hello, World!

Colors



State management & navigation



freezed

“... yet another code generator for unions/pattern-matching/co
py.”



Flutter Favorite

freezed 2.3.2

Published 2 months ago · ⚡ dash-overflow.net Dart 3 ready

SDK DART PLATFORM LINUX MACOS WINDOWS

2.6K

2642 LIKES 140 PUB POINTS 99% POPULARITY

Publisher ⚡ dash-overflow.net

Metadata

Code generation for immutable classes that has a simple syntax/API without compromising on the features.

Repository (GitHub) View/report issues

Welcome to Freezed, yet another code generator for data-classes/unions/pattern-matching/cloning.

freezed_annotation

Annotations for *freezed* package.



freezed_annotation 2.2.0

Published 4 months ago • [dash-overflow.net](#) Dart 3 ready

SDK DART FLUTTER PLATFORM ANDROID IOS LINUX MACOS WEB WINDOWS

279

[Readme](#) Changelog Installing Versions Scores

Annotations for [freezed](#).

This package does nothing without [freezed](#).

279 | 130
LIKES PUB POINTS 100%
POPULARITY

Publisher

[dash-overflow.net](#)

Metadata

Annotations for the
freezed code-generator.
This package does
nothing without freezed
too.

@mkobuolys

json_serializable

Automatically generate code for converting to and from JSON by annotating Dart classes.



json_serializable 6.6.1

Published 32 days ago • [google.dev](#) Dart 3 ready

SDK DART PLATFORM LINUX MACOS WINDOWS

2.5K

Readme Changelog Example Installing Versions Scores

pub v6.6.1

Provides [Dart Build System](#) builders for handling JSON.

The builders generate code when they find members annotated with classes defined in [package:json_annotation](#).

- To generate to/from JSON code for a class, annotate it with [JsonSerializable](#). You can provide arguments to [JsonSerializable](#) to configure the generated code. You can also customize individual fields by annotating them with [JsonKey](#) and providing custom arguments. See the table below for details on the [annotation values](#).
- To generate a Dart field with the contents of a file containing JSON, use the [JsonLiteral](#) annotation.



Flutter Favorite

2591 | 140 | 99%
LIKES PUB POINTS POPULARITY

Publisher

[google.dev](#)

Metadata

Automatically generate code for converting to and from JSON by annotating Dart classes.

[Repository \(GitHub\)](#)

[View/report issues](#)

@mkobuolys

json_annotation

Annotations for
json_annotation package.

json_annotation 4.8.0

Published 45 days ago • [google.dev](#) Dart 3 ready

SDK DART FLUTTER PLATFORM ANDROID IOS LINUX MACOS WEB WINDOWS

763

[Readme](#) Changelog Installing Versions Scores

pub v4.8.0

Defines the annotations used by [json_serializable](#) to create code for JSON serialization and deserialization.

See the [example](#) to understand how to configure your package.

763 | 130
LIKES PUB POINTS

Publisher

[google.dev](#)

Metadata



@mkobuolys

pubspec.yaml

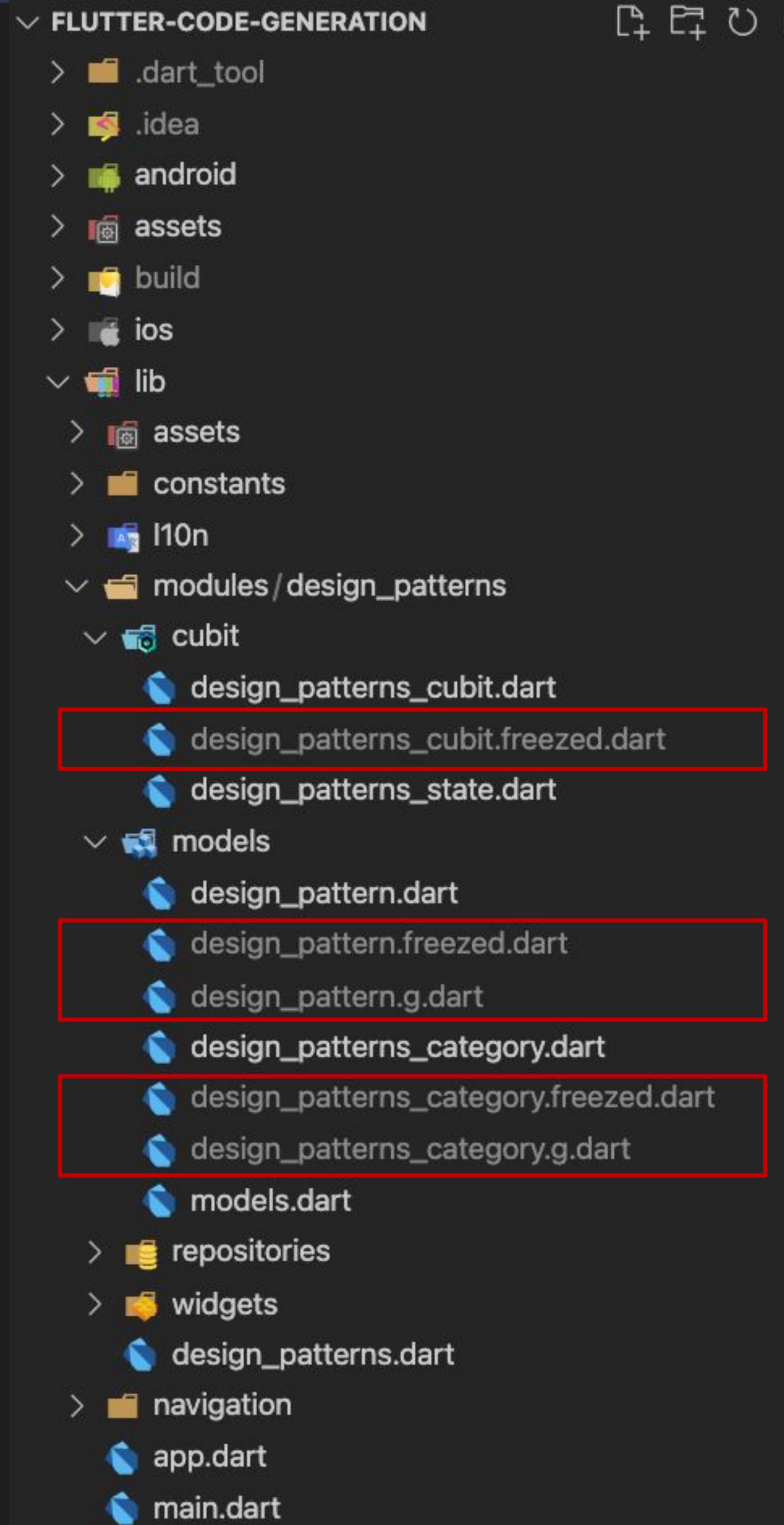
```
1 dependencies:  
2   flutter:  
3     sdk: flutter  
4     freezed_annotation: ^2.2.0  
5     json_annotation: ^4.8.0  
6  
7 dev_dependencies:  
8   build_runner: ^2.3.3  
9   freezed: ^2.3.2  
10  json_serializable: ^6.6.1
```

Generating files

> flutter pub run build_runner build

or

> flutter pub run build_runner watch



Freezed class

```
1 part 'design_patterns_category.freezed.dart';
2 part 'design_patterns_category.g.dart';
3
4 @freezed
5 class DesignPatternsCategory with _$DesignPatternsCategory {
6   const factory DesignPatternsCategory({
7     required String id,
8     required String title,
9     required String color,
10    required List<DesignPattern> patterns,
11  }) = _DesignPatternsCategory;
12
13  factory DesignPatternsCategory.fromJson(Map<String, dynamic> json) =>
14    _$DesignPatternsCategoryFromJson(json);
15 }
```

Generated *.g.dart

```
1  _$DesignPatternsCategory _$$_DesignPatternsCategoryFromJson(
2      Map<String, dynamic> json) =>
3      _$DesignPatternsCategory(
4          id: json['id'] as String,
5          title: json['title'] as String,
6          color: json['color'] as String,
7          patterns: (json['patterns'] as List<dynamic>)
8              .map((e) => DesignPattern.fromJson(e as Map<String, dynamic>))
9              .toList(),
10     );
11
12 Map<String, dynamic> _$$_DesignPatternsCategoryToJson(
13     _$DesignPatternsCategory instance) =>
14     <String, dynamic>{
15         'id': instance.id,
16         'title': instance.title,
17         'color': instance.color,
18         'patterns': instance.patterns,
19     };

```

Generated *.freezed.dart

```
1 @JsonSerializable()
2 class _$DesignPatternsCategory implements _DesignPatternsCategory {
3   const _$DesignPatternsCategory(
4     required this.id,
5     required this.title,
6     required this.color,
7     required final List<DesignPattern> patterns)
8     : _patterns = patterns;
9
10  factory _$DesignPatternsCategory.fromJson(Map<String, dynamic> json) =>
11    $$_DesignPatternsCategoryFromJson(json);
12
13  @override
14  final String id;
15  @override
16  final String title;
17  @override
18  final String color;
19  final List<DesignPattern> _patterns;
20  @override
21  List<DesignPattern> get patterns {
22    // ignore: implicit_dynamic_type
23    return EqualUnmodifiableListView(_patterns);
24  }
25
26  @override
27  String toString() {
28    return 'DesignPatternsCategory(id: $id, title: $title, color: $color, patterns: $patterns)';
29  }
```

```
1   @override
2   bool operator ==(dynamic other) {
3     return identical(this, other) ||
4       (other.runtimeType == runtimeType &&
5        other is _$DesignPatternsCategory &&
6        const DeepCollectionEquality().equals(other.id, id) &&
7        const DeepCollectionEquality().equals(other.title, title) &&
8        const DeepCollectionEquality().equals(other.color, color) &&
9        const DeepCollectionEquality().equals(other._patterns, _patterns));
10  }
11
12  @JsonKey(ignore: true)
13  @override
14  int get hashCode => Object.hash(
15    runtimeType,
16    const DeepCollectionEquality().hash(id),
17    const DeepCollectionEquality().hash(title),
18    const DeepCollectionEquality().hash(color),
19    const DeepCollectionEquality().hash(_patterns));
20
21  @JsonKey(ignore: true)
22  @override
23  $$_DesignPatternsCategoryCopyWith<_$DesignPatternsCategory> get copyWith =>
24    $$_DesignPatternsCategoryCopyWithImpl<_$DesignPatternsCategory>(
25      this, _$identity);
26
27  @override
28  Map<String, dynamic> toJson() {
29    return $$_DesignPatternsCategoryToJson(
30      this,
31    );
32  }
```

State management: State

```
1 abstract class DesignPatternsState extends Equatable {  
2   const DesignPatternsState();  
3  
4   @override  
5   List<Object> get props => [];  
6 }  
7  
8 class DesignPatternsInitial extends DesignPatternsState {}  
9  
10 class DesignPatternsLoadInProgress extends DesignPatternsState {}  
11  
12 class DesignPatternsLoadSuccess extends DesignPatternsState {  
13   final List<DesignPatternsCategory> categories;  
14  
15   const DesignPatternsLoadSuccess([this.categories = const []]);  
16  
17   @override  
18   List<Object> get props => [categories];  
19  
20   @override  
21   String toString() => 'DesignPatternsLoadSuccess { categories: $categories }';  
22 }  
23  
24 class DesignPatternsLoadFailure extends DesignPatternsState {}  
  
1 @freezed  
2 class DesignPatternsState with _$DesignPatternsState {  
3   const factory DesignPatternsState.initial() = _DesignPatternsStateInitial;  
4   const factory DesignPatternsState.loadInProgress() =  
5     _DesignPatternsStateLoadInProgress;  
6   const factory DesignPatternsState.loadSuccess({  
7     required List<DesignPatternsCategory> categories,  
8   }) = _DesignPatternsStateLoadSuccess;  
9   const factory DesignPatternsState.loadFailure() =  
10    _DesignPatternsStateLoadFailure;  
11 }
```

State management: Cubit

```
1  class DesignPatternsCubit extends Cubit<DesignPatternsState> {
2    final DesignPatternsRepository repository;
3
4    DesignPatternsCubit({
5      required this.repository,
6    }) : super(const DesignPatternsState.initial());
7
8    Future<void> load() async {
9      emit(const DesignPatternsState.loadInProgress());
10
11     try {
12       final categories = await repository.getCategories();
13
14       emit(DesignPatternsState.loadSuccess(categories: categories));
15     } on DesignPatternsJsonNotFoundException {
16       emit(const DesignPatternsState.loadFailure());
17     }
18   }
19 }
```

State management: Usage

```
1  @override
2  Widget build(BuildContext context) {
3      return BlocBuilder<DesignPatternsCubit, DesignPatternsState>(
4          builder: (_, state) {
5              if (state is DesignPatternsStateLoadInProgress) {
6                  return const _LoaderView();
7              } else if (state is DesignPatternsStateLoadFailure) {
8                  return const _ErrorView();
9              } else if (state is DesignPatternsStateLoadSuccess) {
10                  return DesignPatternsListView(
11                      categories: state.categories,
12                  );
13              } else {
14                  return const SizedBox();
15              }
16          },
17      );
18  }

@override
Widget build(BuildContext context) {
    return BlocBuilder<DesignPatternsCubit, DesignPatternsState>(
        builder: (_, state) => state.maybeWhen(
            loadInProgress: () => const _LoaderView(),
            loadFailure: () => const _ErrorView(),
            loadSuccess: (categories) => DesignPatternsListView(
                categories: categories,
            ),
            orElse: () => const SizedBox(),
        ),
    );
}
```

riverpod_generator

A code generator for
Riverpod.



riverpod_generator 2.0.0

Published 5 days ago • ⚡ dash-overflow.net Dart 3 ready

SDK DART PLATFORM LINUX MACOS WINDOWS

162

Readme Changelog Installing Versions Scores

Build passing codecov 95% stars 4.2k license MIT chat 198 online



162 | 130
LIKES PUB POINTS

94%
POPULARITY

Publisher

⚡ dash-overflow.net

Metadata

A code generator for Riverpod. This both simplifies the syntax empowers it, such as allowing stateful hot-reload.

[Repository \(GitHub\)](#)
[View/report issues](#)

Documentation

[API reference](#)

riverpod



@mkobuolys

riverpod_annotation

Annotations for
riverpod_generator package.



riverpod_annotation 2.0.0

Published 5 days ago • [dash-overflow.net](#) Dart 3 ready

SDK DART FLUTTER PLATFORM ANDROID IOS LINUX MACOS WEB WINDOWS

47

Readme Changelog Installing Versions Scores

Build passing codecov 95% stars 4.2k license MIT chat 195 online



47 | 110 | 98%
LIKES PUB POINTS POPULARITY

Publisher

[dash-overflow.net](#)

Metadata

A package exposing annotations for riverpod_generator

[Repository \(GitHub\)](#)

[View/report issues](#)

Documentation

[API reference](#)

Funding

riverpod

@mkobuolys

Riverpod: Generated providers

```
1 @riverpod
2 EventRepository eventRepository(EventRepositoryRef ref) {
3   return EventRepository(
4     firebaseRemoteConfigService: ref.watch(firebaseRemoteConfigServiceProvider),
5   );
6 }
7
8 @riverpod
9 Future<EventInfo> eventInfo(EventInfoRef ref) {
10   return ref.watch(eventRepositoryProvider).getEventInfo();
11 }
```

```
1   String $eventRepositoryHash() => r'48228af0559b3bbc601336b7282512e8587b99d6';
2
3   // See also [eventRepository].
4   final eventRepositoryProvider = AutoDisposeProvider<EventRepository>(
5     eventRepository,
6     name: r'eventRepositoryProvider',
7     debugGetCreateSourceHash: const bool.fromEnvironment('dart.vm.product')
8       ? null
9       : $eventRepositoryHash,
10    );
11  typedef EventRepositoryRef = AutoDisposeProviderRef<EventRepository>;
12  String $eventInfoHash() => r'b74891dff0412200c89f1b75b4b79471a6d2c574';
13
14  // See also [eventInfo].
15  final eventInfoProvider = AutoDisposeFutureProvider<EventInfo>(
16    eventInfo,
17    name: r'eventInfoProvider',
18    debugGetCreateSourceHash:
19      const bool.fromEnvironment('dart.vm.product') ? null : $eventInfoHash,
20    );
21  typedef EventInfoRef = AutoDisposeFutureProviderRef<EventInfo>;
```

go_router_builder

A builder that supports generated strongly-typed route helpers for *go_router* package.



go_router_builder 1.1.4

Published 3 days ago • [flutter.dev](#) Dart 3 ready

[UNKNOWN PLATFORMS]

91

[Readme](#) Changelog Example Installing Versions Scores

Usage

Dependencies

To use `go_router_builder`, you need to have the following dependencies in `pubspec.yaml`.

```
dependencies:  
  # ...along with your other dependencies  
  go_router: ^3.1.0  
  
dev_dependencies:  
  # ...along with your other dev-dependencies  
  build_runner: ^2.0.0  
  go_router_builder: ^1.0.0
```

91 | 110 | 88%
LIKES PUB POINTS POPULARITY

Publisher

[flutter.dev](#)

Metadata

A builder that supports generated strongly-typed route helpers for package:go_router

[Repository \(GitHub\)](#)

[View/report issues](#)

[Contributing](#)

@mkobuolys

go_router: The problem

```
1  class DesignPatternDetailsPage extends StatelessWidget {  
2      const DesignPatternDetailsPage({  
3          required this.id,  
4      });  
5  
6      final int id;  
7  
8      @override  
9      Widget build(BuildContext context) {  
10         // <...>  
11     }  
12 }  
  
1 // Without typed routes  
2 context.go('/pattern/abc'); // <== No error??!  
3  
4 // With typed routes  
5 DesignPatternDetailsRoute('abc').go(context); // <== Compilation error  
6 DesignPatternDetailsRoute(123).go(context); // <== 🎉
```

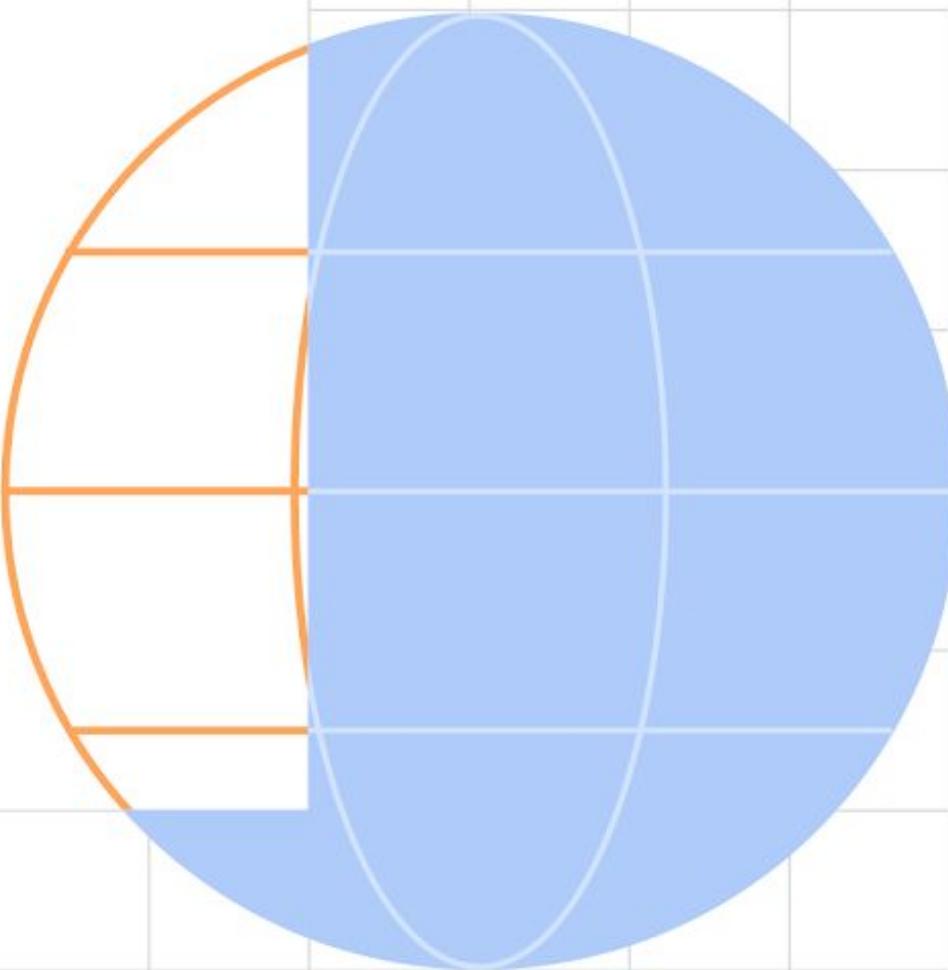
go_router: Typed routes

```
1  @riverpod
2  GoRouter router(_) => GoRouter(
3      routes: $appRoutes,
4      redirect: (context, state) =>
5          state.location.isEmpty ? const MainMenuRoute().location : null,
6      );
7
8  @TypedGoRoute<MainMenuRoute>(
9      path: '/',
10     routes: [
11         TypedGoRoute<DesignPatternDetailsRoute>(path: 'pattern/:id'),
12     ],
13 )
14 @immutable
15 class MainMenuRoute extends GoRouteData {
16     const MainMenuRoute();
17
18     @override
19     Widget build(_, __) => const MainMenuPage();
20 }
21
22 @immutable
23 class DesignPatternDetailsRoute extends GoRouteData {
24     const DesignPatternDetailsRoute(this.id);
25
26     final int id;
27
28     @override
29     Widget build(_, __) => DesignPatternDetailsPage(id: id);
30 }
```

```
1  extension $DesignPatternDetailsRouteExtension on DesignPatternDetailsRoute {
2      static DesignPatternDetailsRoute _fromState(GoRouterState state) =>
3          DesignPatternDetailsRoute(
4              int.parse(state.params['id']!),
5          );
6
7      String get location => GoRouteData.$location(
8          '/pattern/${Uri.encodeComponent(id.toString())}',
9      );
10
11     void go(BuildContext context) => context.go(location);
12
13     void push(BuildContext context) => context.push(location);
14
15     void pushReplacement(BuildContext context) =>
16         context.pushReplacement(location);
17 }
```

@mkobuolys

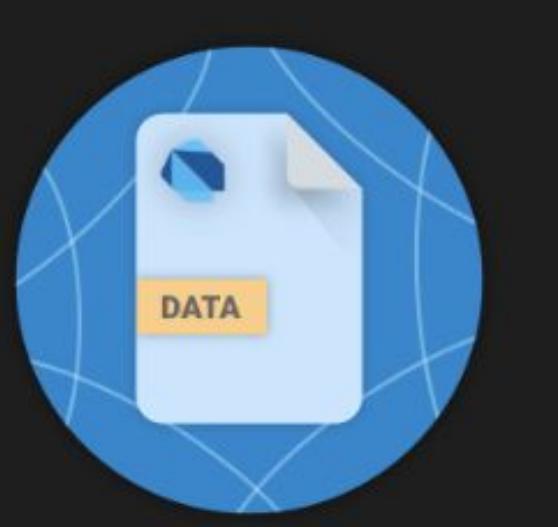
Widgets



IDE Extensions



Awesome Flutter Snippets v4.0.1
Neevash Ramdial (Nash) | 47,662 | ★★★★★(3)
Awesome Flutter Snippets is a collection snippets and shortcuts for commonly used Flutter functions and classes
[Uninstall](#) | [Update](#) | [Settings](#)



Dart Data Class Generator v0.5.4
hzgood | 35,069 | ★★★★★(3)
Create dart data classes easily, fast and without writing boilerplate or running code generation.
[Install](#) | [Update](#) | [Settings](#)



bloc v6.6.2
Felix Angelov | 247,487 | ★★★★★(13)
Support for the bloc library and provides tools for effectively creating blocs for both Flutter and AngularDart apps.
[Disable](#) | [Uninstall](#) | [Update](#) | [Settings](#)
This extension is enabled globally.

Awesome Flutter Snippets

A screenshot of a code editor showing a tooltip for the word 'state'. The tooltip provides information about stateful and stateless widgets and includes a sample code snippet for creating a StatelessWidget.

```
lib > snippets.dart > state
2 state    Variables must be declared using the keywords 'const', 'final', 'var' or a type name. Try adding the na
  └─ statefulBldr      StatefulWidget
  └─ statefulW        StatefulWidget
  └─ statelessW       StatelessWidget
    └─ State
    └─ State
    └─ State
    └─ StateError
    └─ StateManagementExamplesPage
    └─ StateManagementExamplesPage
    └─ StatefulWidget
    └─ StatefulWidget
    └─ StatefulWidget
Create a Stateless widget (Awesome Flutte ×
r Snippets)

class name extends StatelessWidget {
  const name({Key? key}) : super(key: key);

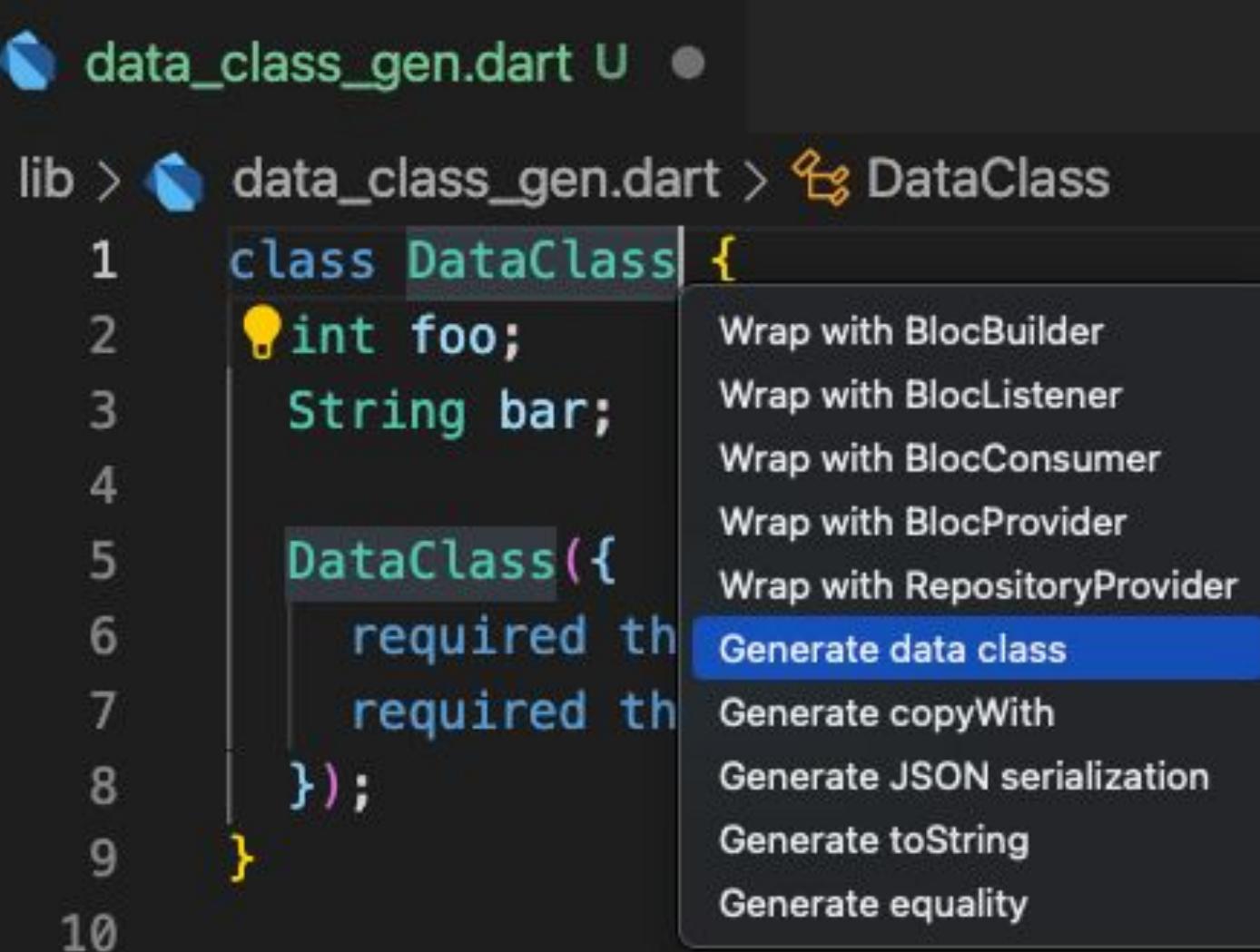
  @override
  Widget build(BuildContext context) {
    return Container(
      child: null,
    );
}
```

snippets.dart U ●

A screenshot of a code editor showing a tooltip for the class 'MyStatelessWidget'. The tooltip provides a sample code snippet for defining a StatelessWidget.

```
lib > snippets.dart > MyStatelessWid
1 import 'package:flutter/material.dart';
2
3 class MyStatelessWid extends StatelessWidget {
4   const MyStatelessWid({Key? key}) : super(key: key);
5
6   @override
7   Widget build(BuildContext context) {
8     return Container();
9   }
10
11 }
```

Dart Data Class Generator



```
1  class DataClass {  
2    int foo;  
3    String bar;  
4  
5    DataClass({  
6      required this.foo,  
7      required this.bar,  
8    });  
9  
10   DataClass copyWith({  
11     int? foo,  
12     String? bar,  
13   }) {  
14     return DataClass(  
15       foo: foo ?? this.foo,  
16       bar: bar ?? this.bar,  
17     );  
18   }  
19  
20   Map<String, dynamic> toMap() {  
21     return {  
22       'foo': foo,  
23       'bar': bar,  
24     };  
25   }  
26  
27   factory DataClass.fromMap(Map<String, dynamic> map) {  
28     return DataClass(  
29       foo: map['foo'],  
30       bar: map['bar'],  
31     );  
32   }  
33   ...  
34 }
```

```
1  ...  
2  String toJson() => json.encode(toMap());  
3  
4  factory DataClass.fromJson(String source) =>  
5    DataClass.fromMap(json.decode(source));  
6  
7  @override  
8  String toString() => 'DataClass(foo: $foo, bar: $bar)';  
9  
10 @override  
11 bool operator ==(Object other) {  
12   if (identical(this, other)) return true;  
13  
14   return other is DataClass && other.foo == foo && other.bar == bar;  
15 }  
16  
17 @override  
18 int get hashCode => foo.hashCode ^ bar.hashCode;  
19 }
```

AI-powered tools

Technical preview

Your AI pair programmer

The screenshot shows a dark-themed code editor interface. At the top, there's a navigation bar with tabs: 'fetch_pic.js' (selected), 'push_to_git.py', 'JS d3_scale.js', 'JS fetch_stock.js', and 'JS material_ui.js'. Below the tabs, a code editor displays the following JavaScript code:

```
1 const fetchNASAPictureOfDay = () => {
2   return fetch('https://api.nasa.gov/planetary/apod?api_key=DEMO_KEY', {
3     method: 'GET',
4     headers: {
5       'Content-Type': 'application/json',
6     },
7   })
8   .then(response => response.json())
9   .then(json => {
10     return json;
11   });
12 }
```

A small blue button labeled 'Copilot' is visible at the bottom left of the code editor. Below the code editor, the GitHub Copilot logo (a white icon of two people) is followed by the text 'GitHub Copilot'.

Too smart?

The image shows a code editor interface with two panes. The left pane displays a Dart file named 'copilot.dart' with the following code:

```
lib > copilot.dart > Copilot > build
1 import 'package:flutter/material.dart';
2
3 class Copilot extends StatelessWidget {
4     const Copilot();
5
6     @override
7     Widget build(BuildContext context) {    The body might compl
8         // Create a Center widget with Flutter Logo as its child.
9     }
10}
11
12
```

A red squiggle underline is under the word 'build'. A tooltip above the underline reads: "The body might compl".

The right pane shows the 'Copilot' interface with the following text:

```
...
1 Copilot X ...
1 Synthesizing 10/10 solutions
2 =====
3
4 Accept Solution
5 return new Center(
6     new Center(
7         new MaterialFlutterLogo(),
8         new Center(
9             new Center(
10                new Center(
11                    new Center(
12                        new Center(
13                            new Center(
14                                new Center(
15                                    new Center(
16                                        new Center(
17                                            new Center(
18                                                new Center(
19                                                    new Center(
20                                                        new Ce
```

mason

A template generator which helps teams generate files quickly and consistently.



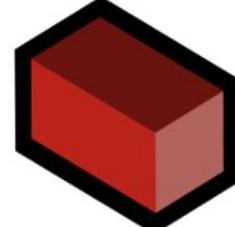
mason 0.1.0-dev.47

Published 4 days ago · [brickhub.dev](#) Dart 3 ready

SDK DART FLUTTER PLATFORM ANDROID IOS LINUX MACOS WINDOWS

553

Readme Changelog Example Installing Versions Scores



mason

pub v0.1.0-dev.47 mason passing coverage 100% style very good analysis license MIT

A template generator which helps teams generate files quickly and consistently.

553 | 140
LIKES PUB POINTS 97%
POPULARITY

Publisher

[brickhub.dev](#)

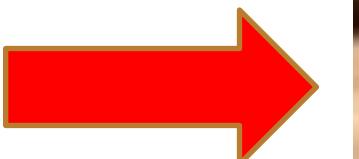
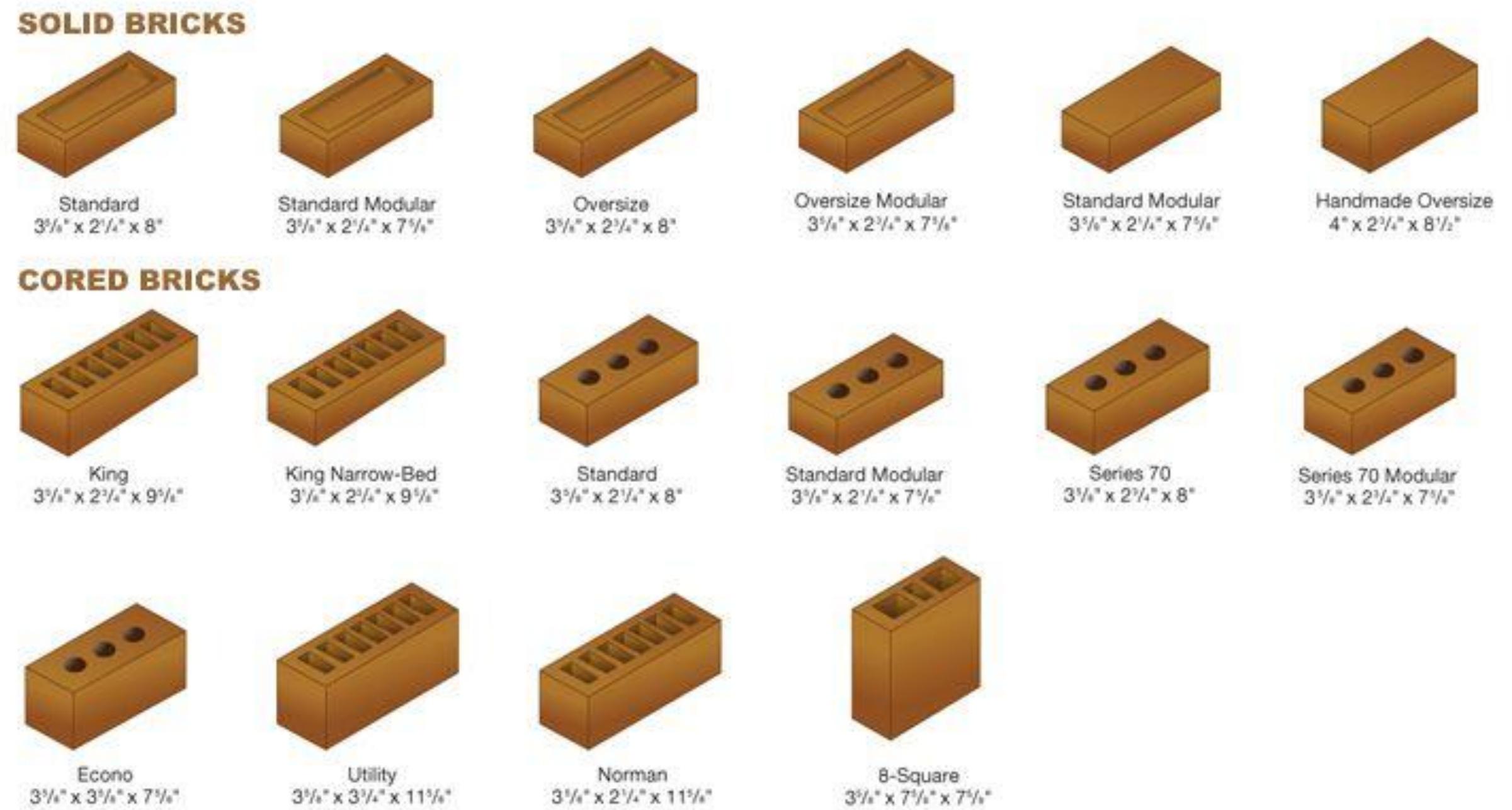
Metadata

A Dart template generator which helps teams generate files quickly and consistently.

[Repository \(GitHub\)](#)

@mkobuolys

Mason: Concept



Mason: Expected result

```
1 import 'package:flutter/material.dart';
2
3 class CustomPage extends StatelessWidget {
4   static PageRoute route() {
5     return MaterialPageRoute(builder: (context) => const CustomPage());
6   }
7
8   const CustomPage();
9
10  @override
11  Widget build(BuildContext context) {
12    return const _CustomPageView();
13  }
14}
15
16 class _CustomPageView extends StatelessWidget {
17   const _CustomPageView();
18
19   @override
20   Widget build(BuildContext context) {
21     return Container();
22   }
23 }
```

Mason: Expected result

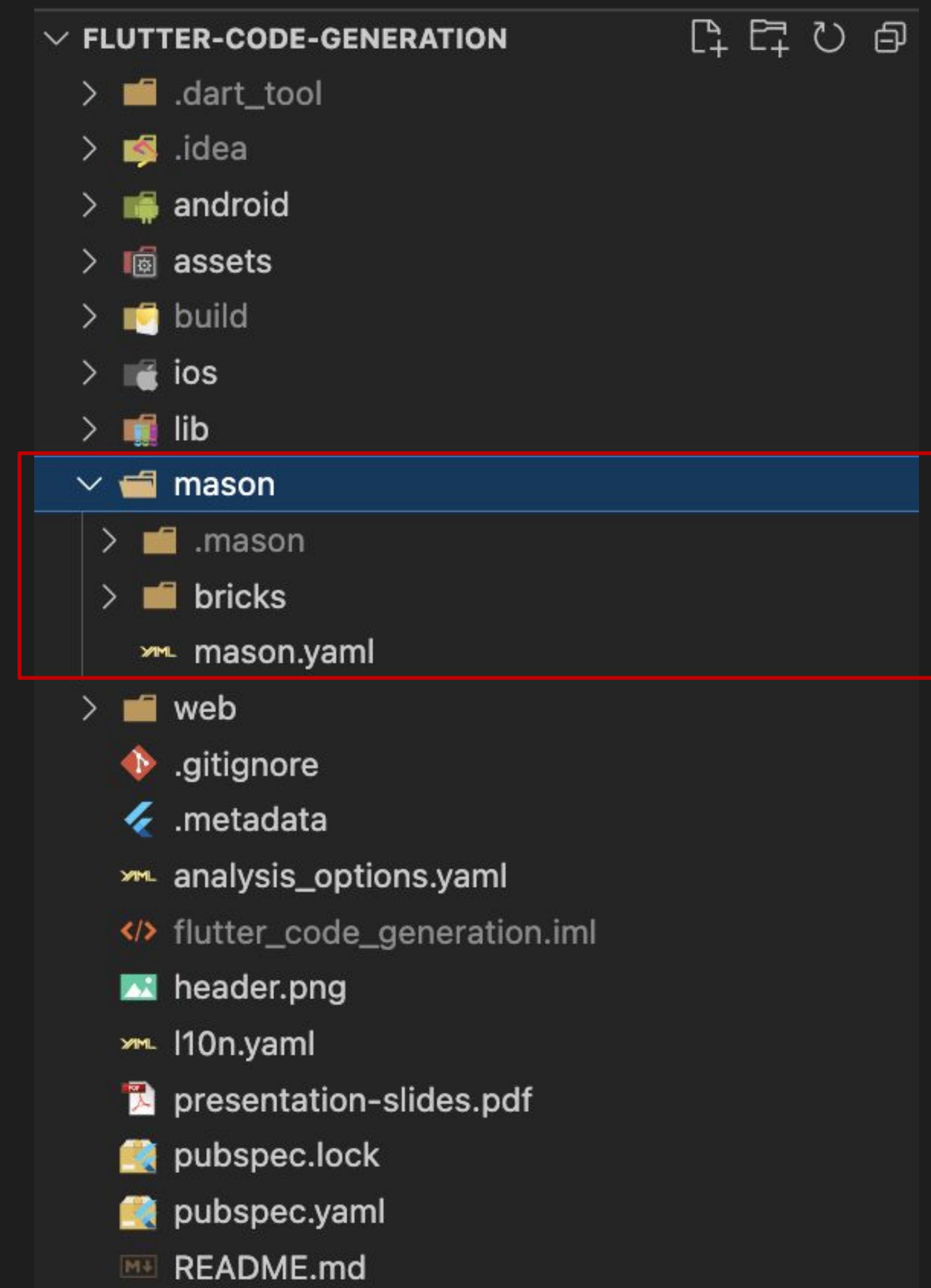
```
1 import 'package:flutter/material.dart';
2
3 class CustomPage extends StatelessWidget {
4     static PageRoute route() {
5         return MaterialPageRoute(builder: (context) => const CustomPage());
6     }
7
8     const CustomPage();
9
10    @override
11    Widget build(BuildContext context) {
12        return const _CustomPageView();
13    }
14}
15
16 class _CustomPageView extends StatelessWidget {
17     const _CustomPageView();
18
19    @override
20    Widget build(BuildContext context) {
21        return Container();
22    }
23}
```

Any name → Optional

Mason: Initial configuration

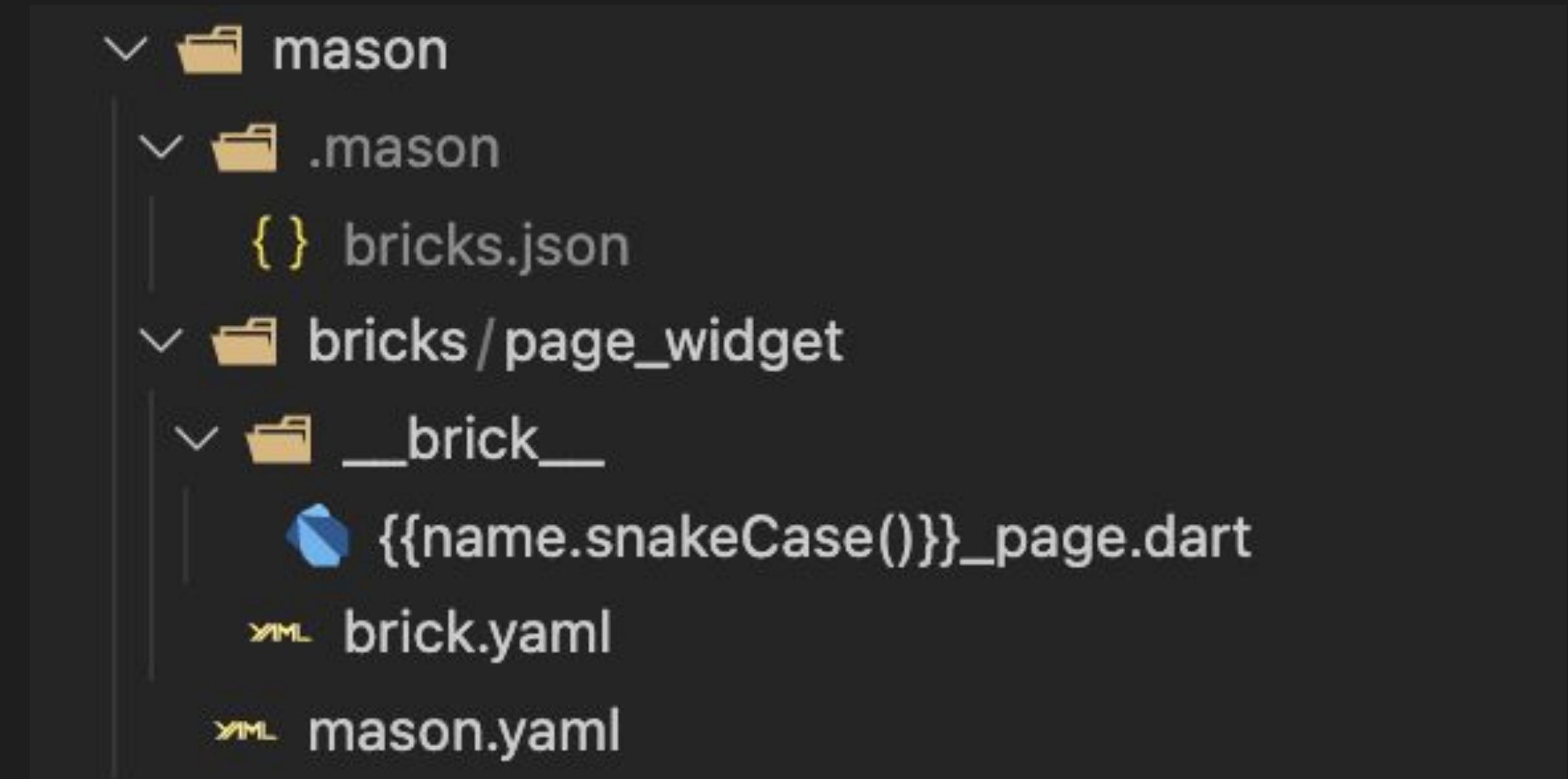
```
> mason init  
> mason new page_widget  
> mason get
```

```
mason  
  mason.yaml  
    bricks:  
      page_widget:  
        path: bricks/page_widget
```



Mason: Brick structure/dynamic name

```
1  name: page_widget
2  description: A custom page widget brick.
3
4  version: 0.1.0+1
5
6  environment:
7    mason: ">=0.1.0-dev <0.1.0"
8
9  vars:
10    name:
11      type: string
12      description: The name of the page widget.
13      default: Custom
14    routable:
15      type: boolean
16      description: Whether the page widget is routable.
17      default: true
```



{{name.snakeCase()}}_page.dart

Mason: Brick

Checks routable flag

```
1 import 'package:flutter/material.dart';
2
3 class {{name.pascalCase()}}Page extends StatelessWidget {
4   {{#routable}}
5     static PageRoute route() {
6       return MaterialPageRoute(builder: (context) => const {{name.pascalCase()}}Page());
7     }
8   {{/routable}}
9
10  const {{name.pascalCase()}}Page();
11
12  @override
13  Widget build(BuildContext context) {
14    return const _{{name.pascalCase()}}PageView();
15  }
16}
17
18 class _{{name.pascalCase()}}PageView extends StatelessWidget {
19  const _{{name.pascalCase()}}PageView();
20
21  @override
22  Widget build(BuildContext context) {
23    return Container();
24  }
25}
```

Dynamic name in PascalCase

Mason: Generating code

> mason make page_widget -o ../lib/

- Mangirdass-MacBook-Pro-2:mason mkobuolys\$ mason make page_widget -o ../lib/
 - ? name (Custom) Custom
 - ? routable (Y/n) Yes
 - ✓ Made brick page_widget (47ms)
 - ✓ Generated 1 file:
/Users/mkobuolys/dev/Flutter projects/flutter-code-generation/lib/custom_page.dart (new)

> mason make page_widget -o ../lib/ --name Custom --routable true

- Mangirdass-MacBook-Pro-2:mason mkobuolys\$ mason make page_widget -o ../lib/ --name Custom --routable true
 - ✓ Made brick page_widget (23ms)
 - ✓ Generated 1 file:
/Users/mkobuolys/dev/Flutter projects/flutter-code-generation/lib/custom_page.dart (new)

Mason: Expected vs Actual result

```
1 import 'package:flutter/material.dart';
2
3 class CustomPage extends StatelessWidget {
4     static PageRoute route() {
5         return MaterialPageRoute(builder: (context) => const CustomPage());
6     }
7
8     const CustomPage();
9
10    @override
11    Widget build(BuildContext context) {
12        return const _CustomPageView();
13    }
14}
15
16 class _CustomPageView extends StatelessWidget {
17    const _CustomPageView();
18
19    @override
20    Widget build(BuildContext context) {
21        return Container();
22    }
23}
```

```
1 import 'package:flutter/material.dart';
2
3 class CustomPage extends StatelessWidget {
4     static PageRoute route() {
5         return MaterialPageRoute(builder: (context) => const CustomPage());
6     }
7
8     const CustomPage();
9
10    @override
11    Widget build(BuildContext context) {
12        return const _CustomPageView();
13    }
14}
15
16 class _CustomPageView extends StatelessWidget {
17    const _CustomPageView();
18
19    @override
20    Widget build(BuildContext context) {
21        return Container();
22    }
23}
24
25}
```



Search bricks

158 bricks found.

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model

A brick to create your model with properties and all the supporting methods, copyWith, to/from json, equatable and more!

0.5.0 (last week) 8352

feature_brick

A brick to create a feature using best practices and your state management of choice!

0.6.0 (last week) 5716

app_ui

A brick to create your UI package that holds all your app's Colors, Typography, Layout, Theme, and more!

0.0.4 (4 months ago) 4796

hello

An example brick.

0.1.0+1 (6 months ago) 3848

<https://brickhub.dev/>

[mkobuolys/flutter-code-generation](https://github.com/mkobuolys/flutter-code-generation) Public

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master 1 branch 0 tags Go to file Add file Code

mkobuolys Add Rive be94af0 32 seconds ago 24 commits

android	Init project	6 months ago
assets	Add Rive	32 seconds ago
ios	Update codebase	6 hours ago
lib	Add Rive	32 seconds ago
mason	Add Mason example	6 months ago
web	Init project	6 months ago
.gitignore	Add Mason example	6 months ago
.metadata	Add .gitignore and .metadata files	6 months ago
README.md	Update slides/readme	6 months ago
analysis_options.yaml	Update project dependencies.	3 months ago
header.png	Update header image	6 months ago
i10n.yaml	Add localization files and dependencies	6 months ago
presentation-slides.pdf	Update presentation slides	3 months ago
pubspec.lock	Add Rive	32 seconds ago
pubspec.yaml	Add Rive	32 seconds ago

README.md

Flutter Code Generation Examples

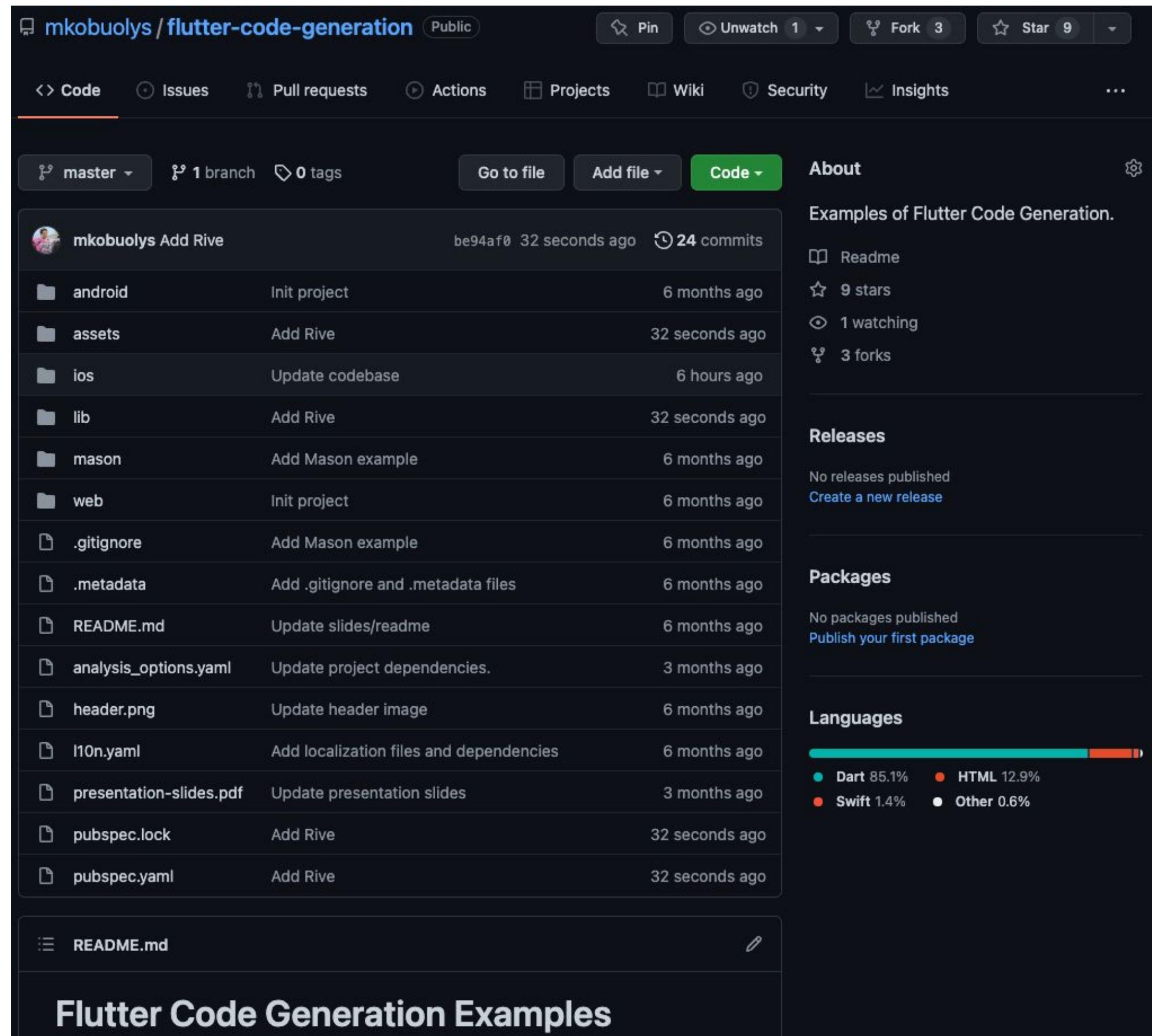
About Examples of Flutter Code Generation.

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Swift 1.4% Other 0.6%



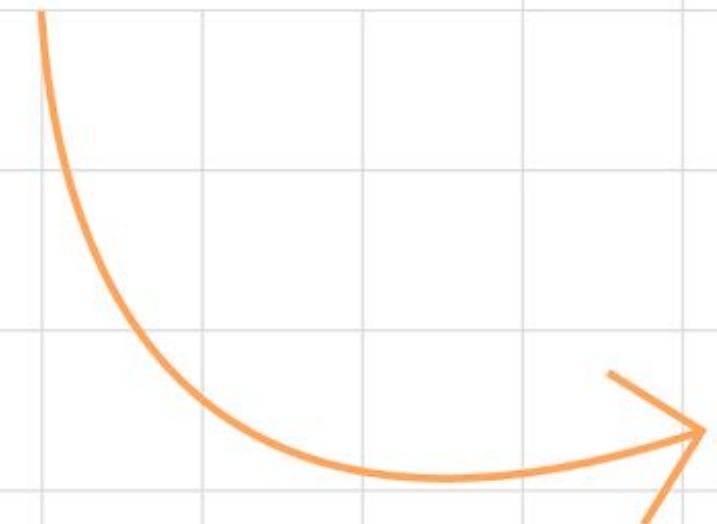
<https://github.com/mkobuolys/flutter-code-generation>

Resources

- Localization
 - Internationalizing Flutter apps – <https://bit.ly/3z945Xu>
 - Internationalization User Guide - <https://bit.ly/3iHdOOv>
 - intl - <https://pub.dev/packages/intl>
- Assets
 - build_runner - https://pub.dev/packages/build_runner
 - flutter_gen - https://pub.dev/packages/flutter_gen

Resources

- State management & navigation
 - freezed – <https://pub.dev/packages/freezed>
 - freezed_annotation - https://pub.dev/packages/freezed_annotation
 - json_serializable - https://pub.dev/packages/json_serializable
 - json_annotation - https://pub.dev/packages/json_annotation
 - riverpod_generator - https://pub.dev/packages/riverpod_generator
 - riverpod_annotation - https://pub.dev/packages/riverpod_annotation
 - go_router_builder - https://pub.dev/packages/go_router_builder
- Widgets
 - GitHub Copilot - <https://copilot.github.com/>
 - mason - <https://pub.dev/packages/mason>
 - BrickHub - <https://brickhub.dev/>



Mangirdas Kazlauskas
GDE for Flutter & Dart
@mkobuolys | kazlauskas.dev

Save trees. Stay SOLID.
Thank you!

