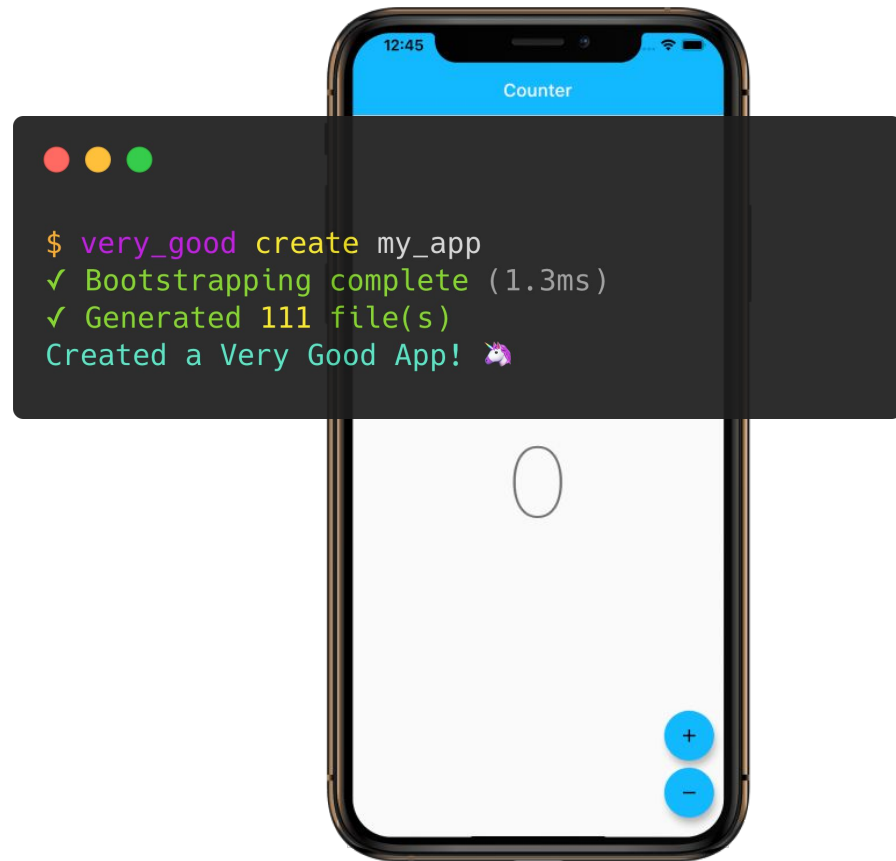




Recipe for making a “Very Good App”

How to make a “Very Good App”

April 26, 2021



Óscar Martín



“Cannot start the morning without a perfect cup of coffee”

Óscar started in mobile development with Android (Java), then explored security and BI consulting before returning to mobile with Xamarin. He happily discovered Flutter in 2019 and has been using it ever since. Óscar is also an organizer of Flutter Spain.



<https://github.com/omartinma>



[@OscarMartinDEV](https://twitter.com/OscarMartinDEV)

Jeroen Meijer



“99 little bugs in the code. Take one down, patch it around, 127 little bugs in the code...”

Jay is a Dutch freelance full-stack app developer, administrator and moderator for the Flutter Community organization, passionate about Flutter and TypeScript and helping people out wherever possible.



<https://github.com/jeroen-meijer>



[@jfkdev](https://twitter.com/jfkdev)

Very Good Ventures 🦄 🕶️

- A team of “Very Good” Flutter development experts
- Help teams get a competitive advantage with Flutter
- Passionate about making the Flutter community a better place 💙
- Learn more at <https://verygood.ventures>



<https://github.com/VGVentures>



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 MEDLY

 Flutter

 aura

 Information
Builders.

Agenda



- What is Very Good CLI? ?
- How to get started? 🌟
- What do you get out of the box? 📦
- Demo App and Walkthrough 👁️
- Questions & Answers 💡

What is Very Good CLI?

- Free! Open source!
- VGV-opinionated Flutter starter app
- Intended for individual Flutter developers looking for a very good foundation to build up customize, etc.

very_good_cli 0.1.7

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Very Good CLI



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A Very Good Command Line Interface for Dart.

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A Very Good Command Line Interface for Dart created by Very Good Ventures.

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Documentation

[API reference](#)

https://pub.dev/packages/very_good_cli

How to get started with Very Good CLI?

1. Install Very Good CLI 🌟
2. Run Very Good Create 🐱💻
3. Profit 💰



```
$ dart pub global activate very_good_cli
```



What do you get out of the box?

- ✓ Cross Platform Support
- ✓ Build Flavors
- ✓ Internationalization Support
- ✓ Sound Null-Safety
- ✓ Bloc
- ✓ Testing
- ✓ Logging
- ✓ Very Good Analysis
- ✓ Continuous Integration

Cross Platform Support ✨

- Built-in support for
 - iOS
 - Android
 - Web
- *Desktop coming soon!*



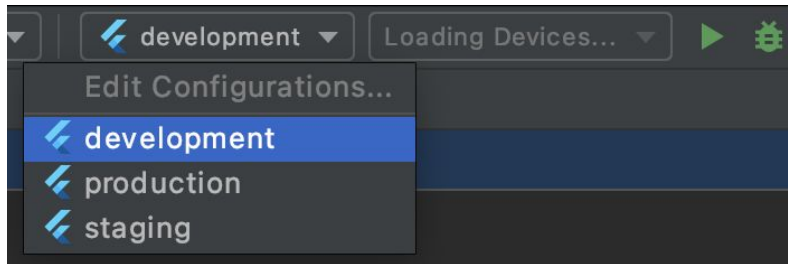
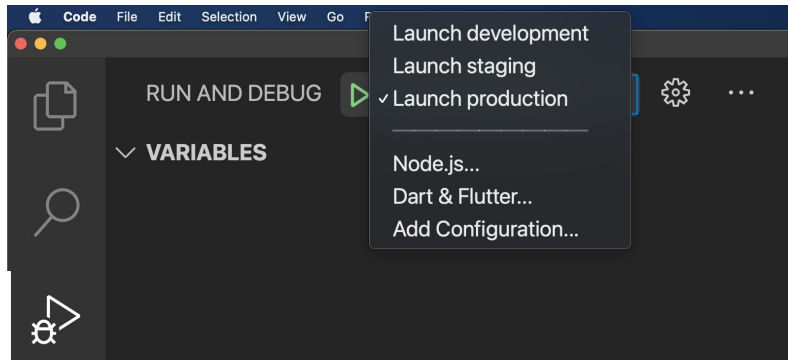
Build Flavors

- Built-in support for multiple flavors
 - development
 - staging
 - production

```
# Development
$ flutter run --flavor development --target lib/main_development.dart

# Staging
$ flutter run --flavor staging --target lib/main_staging.dart

# Production
$ flutter run --flavor production --target lib/main_production.dart
```



Internationalization

- Internationalization support using synthetic code generation
- Streamlined development process
- Multiple language support out of the box



```
@override
Widget build(BuildContext context) {
  final l10n = context.l10n;
  return Text(l10n.helloWorld);
}
```



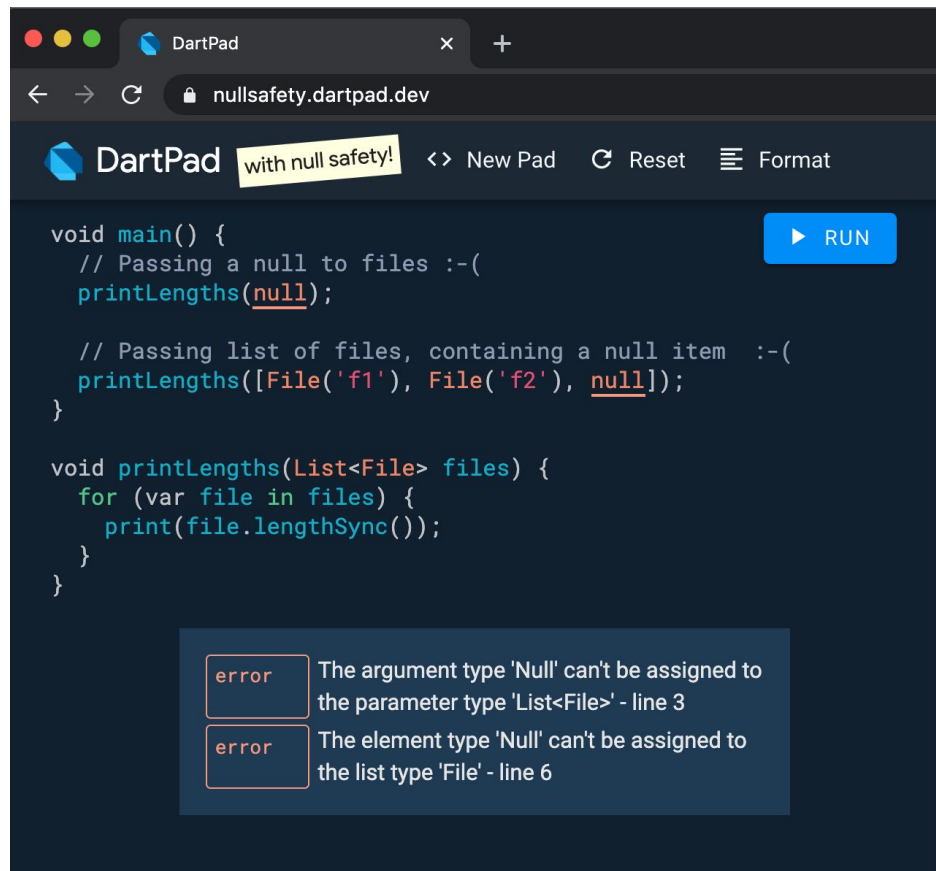
```
{
  "@@locale": "en",
  "helloWorld": "Hello World",
  "@helloWorld": {
    "description": "Greeting"
  }
}
```



```
{
  "@@locale": "es",
  "helloWorld": "Hola Mundo",
}
```

Sound Null Safety

- No more null-dereference exceptions at runtime.
- Develop with a sound, static type system.
- Using Flutter v2.x.x



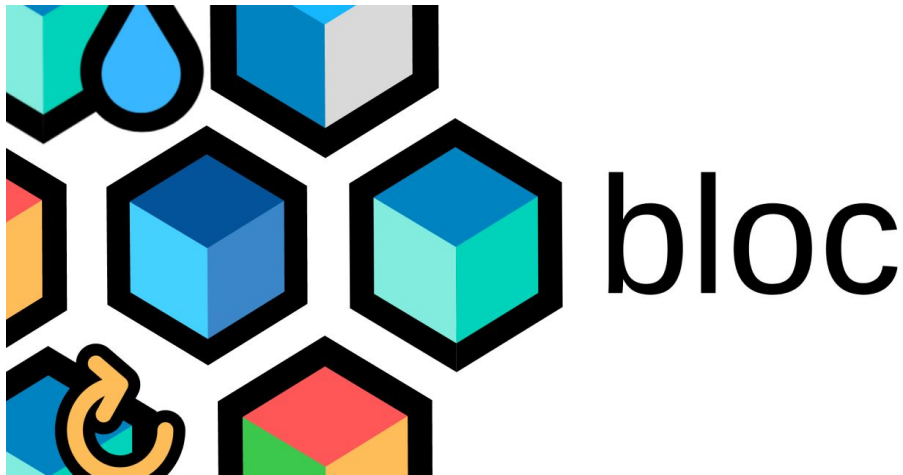
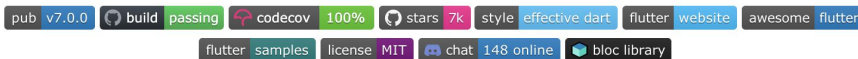
The screenshot shows the DartPad web interface at `nullsafety.dartpad.dev`. The code defines a `main` function and a `printLengths` function. The `main` function has two comments: `// Passing a null to files :-` followed by `printLengths(null);` on line 3, and `// Passing list of files, containing a null item :-` followed by `printLengths([File('f1'), File('f2'), null]);` on line 6. The `printLengths` function takes a `List<File>` parameter. Two error messages are displayed at the bottom:

- error** The argument type 'Null' can't be assigned to the parameter type 'List<File>' - line 3
- error** The element type 'Null' can't be assigned to the list type 'File' - line 6

Bloc State Management



- Integrated bloc architecture
- Scalable
- Testable
- Clear separation between business logic and presentation
- <https://github.com/felangel/bloc>



<https://bloclibrary.dev>

Testing

- Fully Unit Tested
- Fully Widget Tested
- 100% Line Coverage 100
- *Integration Tests Coming Soon!*

```
$ flutter test
Running "flutter pub get" in flutter... 1.3s
00:12 +315: All tests passed!
```

Flutter Testing

<https://verygood.ventures/blog/guide-to-flutter-testing>

Very Good Analysis

- Strict analysis options
- Enforce consistent code style
- Strong mode and more...
- Lint rules used at Very Good Ventures

very_good_analysis 2.0.3

Published Apr 15, 2021 • [verygood.ventures](#) Null safety

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Very Good Analysis



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Very Good Dart analyzer settings and best practices used internally at Very Good Ventures.

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https://pub.dev/packages/very_good_analysis













```
include: package:very_good_analysis/analysis_options.yaml
```

Continuous Integration

- Integrated Github Actions Workflow
- Format
- Lint
- Run Tests
- Enforce Test Coverage 
 - [Very Good Coverage Github Action](#)

build
succeeded on Mar 17 in 1m 57s

- >  Set up job
- >  Run actions/checkout@v2
- >  Run subosito/flutter-action@v1.4.0
- >  Install Dependencies
- >  Format
- >  **Analyze**
- >  Run tests
- >  Check Code Coverage
- >  Post Run actions/checkout@v2
- >  Complete job

Demo App Deep Dive



https://github.com/VGVentures/spacex_demo

Thank you!



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