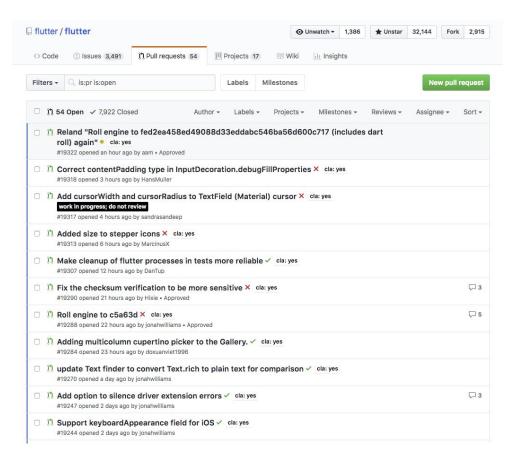


Open Source For Busy People: Live-Coding a Flutter App

Emily Fortuna Matt Sullivan

- @bouncingsheep
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Dude, Where's my PR?

GitHub PRs on your mobile

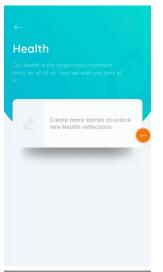


What is





Flutter is an SDK for building apps on iOS & **Android**











Open Source

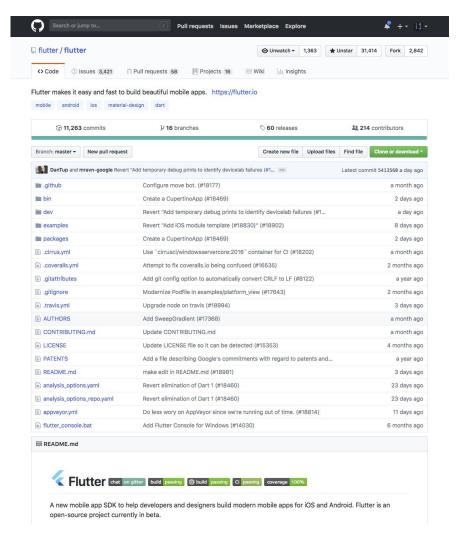


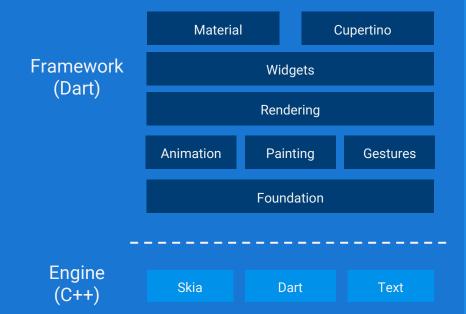
Flutter's Stack is Open

https://github.com/flutter/flutter

https://github.com/google/skia

https://github.com/dart-lang/sdk



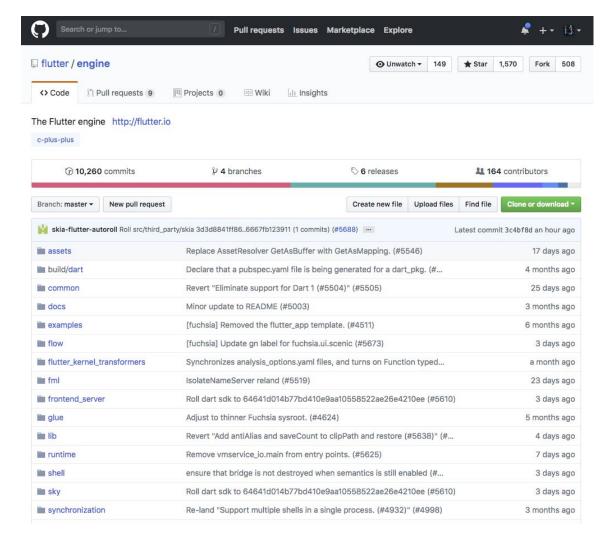


```
. . .
                                                    basic.dart — flutter_gallery
                                                                                                               @ III ··
     [mainAxisAlignment] is [MainAxisAlignment.spaceBetween], any vertical
             /// * [Row], for a horizontal equivalent,
       3780 /// * [Flex], if you don't know in advance if you want a horizontal or vertical
             /// * [Expanded], to indicate children that should take all the remaining room.
             /// * [Flexible], to indicate children that should share the remaining room but
                    that may size smaller (leaving some remaining room unused).
             /// * [SingleChildScrollView], whose documentation discusses some ways to
                    use a [Column] inside a scrolling container.
             /// * [Spacer], a widget that takes up space proportional to it's flex value.
             /// * The [catalog of layout widgets](https://flutter.io/widgets/layout/).
             class Column extends Flex {
               /// The [direction], [mainAxisAlignment], [mainAxisSize]
               /// [crossAxisAlignment], and [verticalDirection] arguments must not be null.
               /// If [crossAxisAlignment] is [CrossAxisAlignment.baseline], then
               /// [textBaseline] must not be null.
               /// The [textDirection] argument defaults to the ambient [Directionality], if
               /// to be necessary to disambiguate 'start' or 'end' values for the
                /// [crossAxisAlignment], the [textDirection] must not be null.
               Column({
       3801
                  Key key.
                 MainAxisAlignment mainAxisAlignment = MainAxisAlignment.start.
                  MainAxisSize mainAxisSize = MainAxisSize.max,
                  CrossAxisAlignment crossAxisAlignment = CrossAxisAlignment.center,
                  TextDirection textDirection,
                  VerticalDirection verticalDirection = VerticalDirection.down,
                  TextBaseline textBaseline.
                  List<Widget> children = const <Widget>[].
                H) : super(
                  children: children.
                  key: key,
                 direction: Axis.vertical,
                 mainAxisAlignment: mainAxisAlignment,
                  mainAxisSize: mainAxisSize,
                  crossAxisAlignment: crossAxisAlignment,
                  textDirection: textDirection,
                 verticalDirection: verticalDirection,
                  textBaseline: textBaseline,
P master C ⊗ 108 A 0 Flutter (flutter_gallery) Auto Attach: Off
                                                             Ln 3801, Col 11 Spaces: 2 UTF-8 LF Dart Flutter: 0.0.18-pre.192 No Devices 😂 🛕
```

Flutter's Engine is Open

https://github.com/flutter/engine

- Android
- iOS
- Linux & Mac (experimental)
- Others?





Let's do some coding!





But let's start with the basics ...



code: https://github.com/efortuna/dwmpr



Handy Links

flutter.io https://flutter.io

codelabs: https://codelabs.developers.google.com/?cat=Flutter

github: https://github.com/flutter/flutter

cookbook: https://flutter.io/cookbook/

gitter: https://gitter.im/flutter/flutter





Thank you

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