



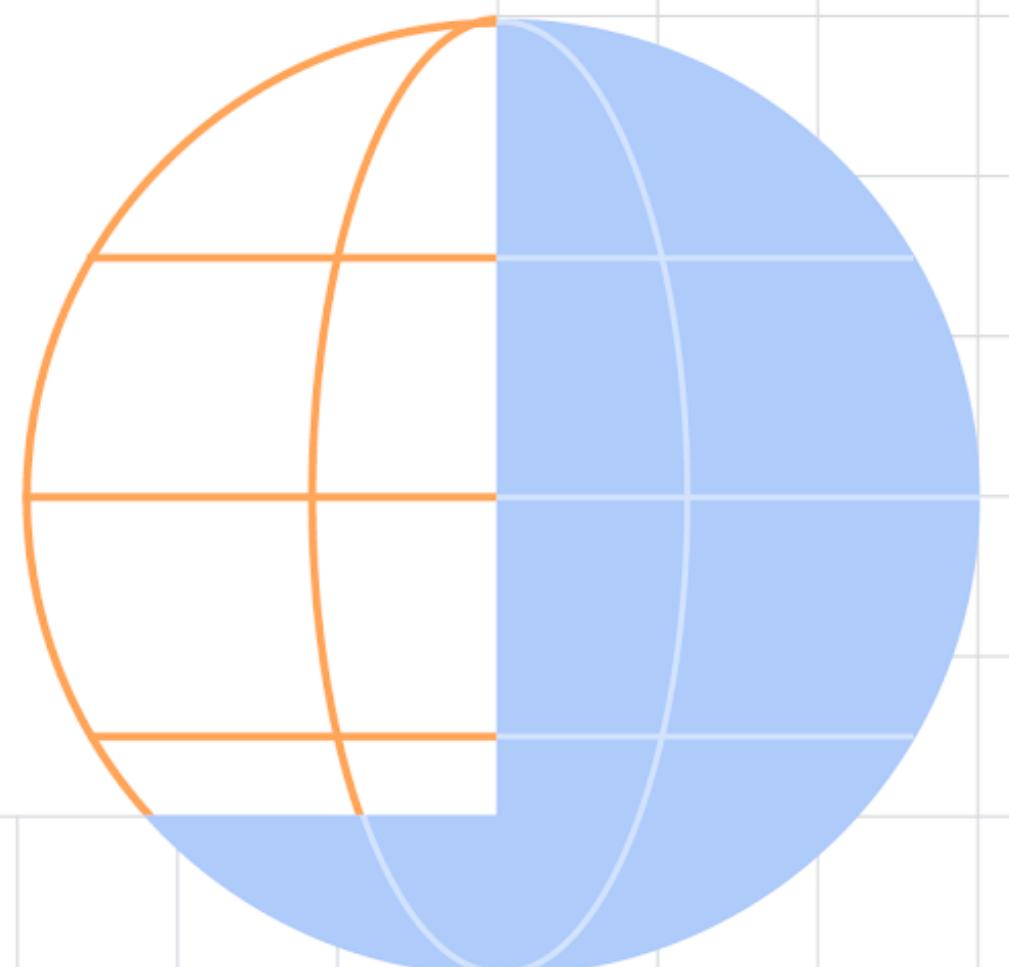
Experts

# Welcome to the Wonderful World of Widgets

Get started using Flutter in no time.



Jay (Jeroen Meijer)  
Flutter & Dart GDE  
@jfkdev



# First things first

## Make sure you're ready

Installation instructions available at  
<https://jfk.dev/install>

- Install Flutter
- Install Android Studio  
Use a real Android device, or  
install an AVD/emulator
- Optionally, install Visual Studio  
Code

## Keep up the pace

This codelab will progress quite quickly.

- You can ask questions at any time!
- You can always view the slides at  
<https://jfk.dev/talks>



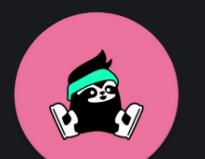
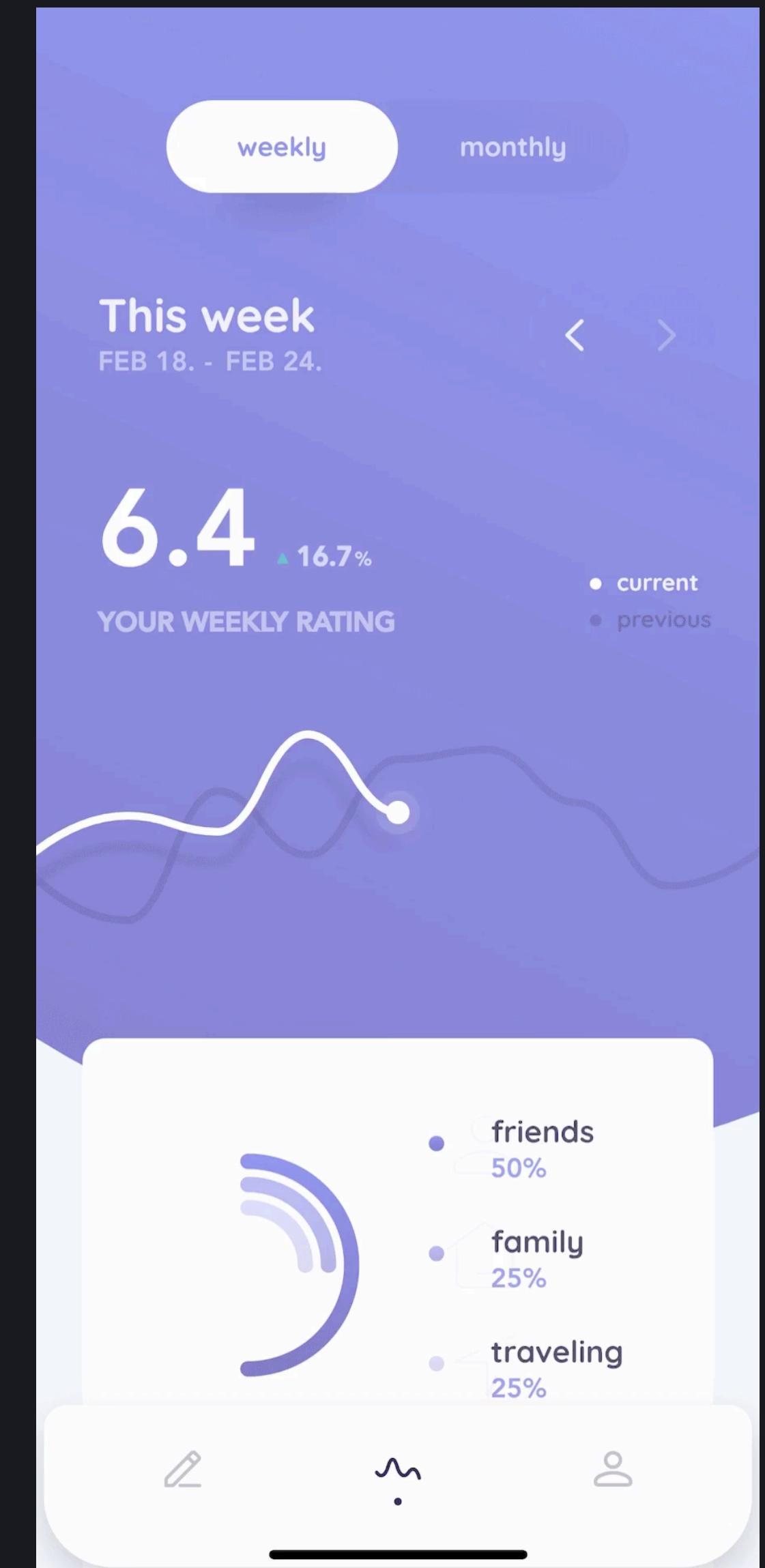
# Flutter

Beautiful apps in record time

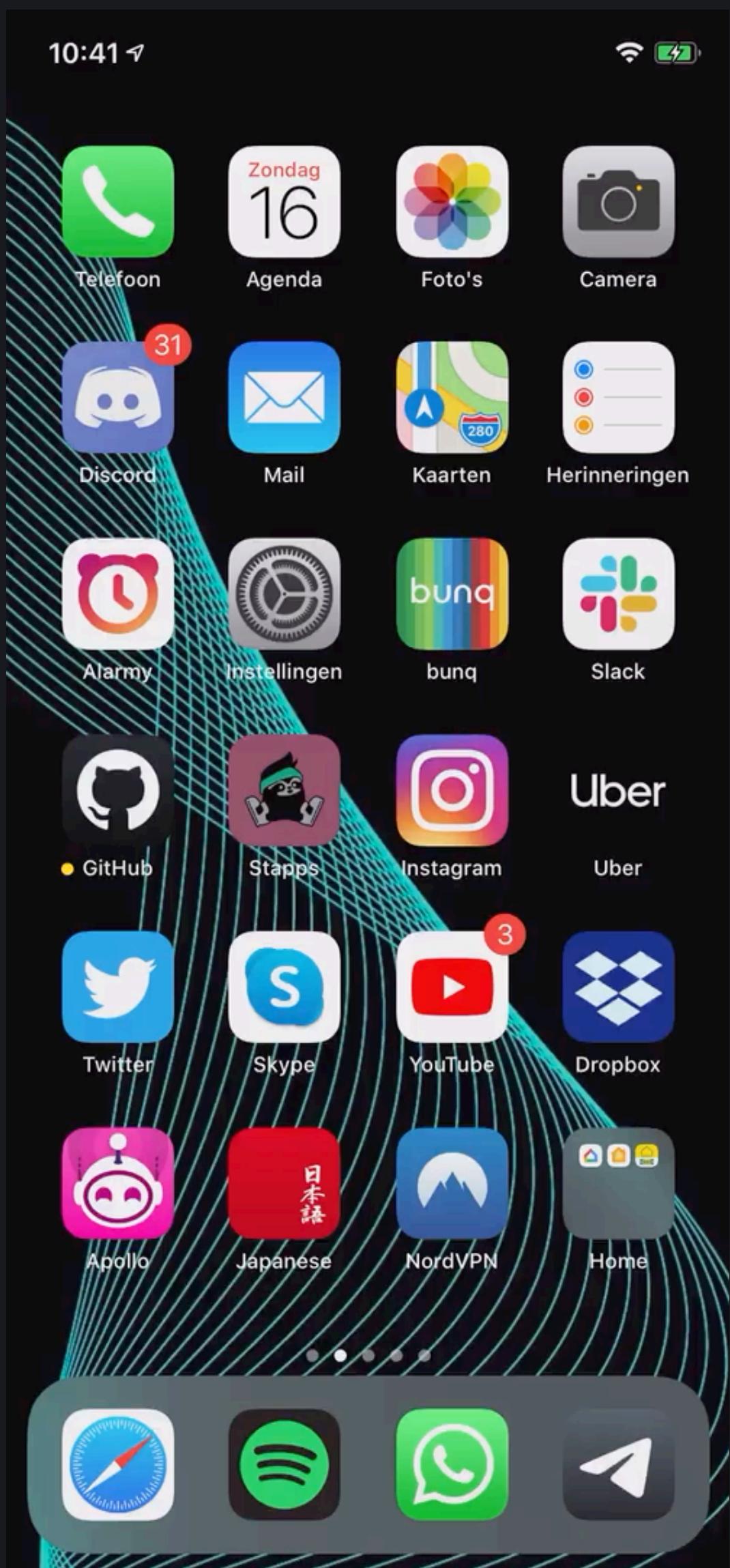
- An open source cross-platform portable UI toolkit
- Compiles to machine code
- Runs natively on all platforms
- Custom graphics through with the Skia rendering engine



reflectly



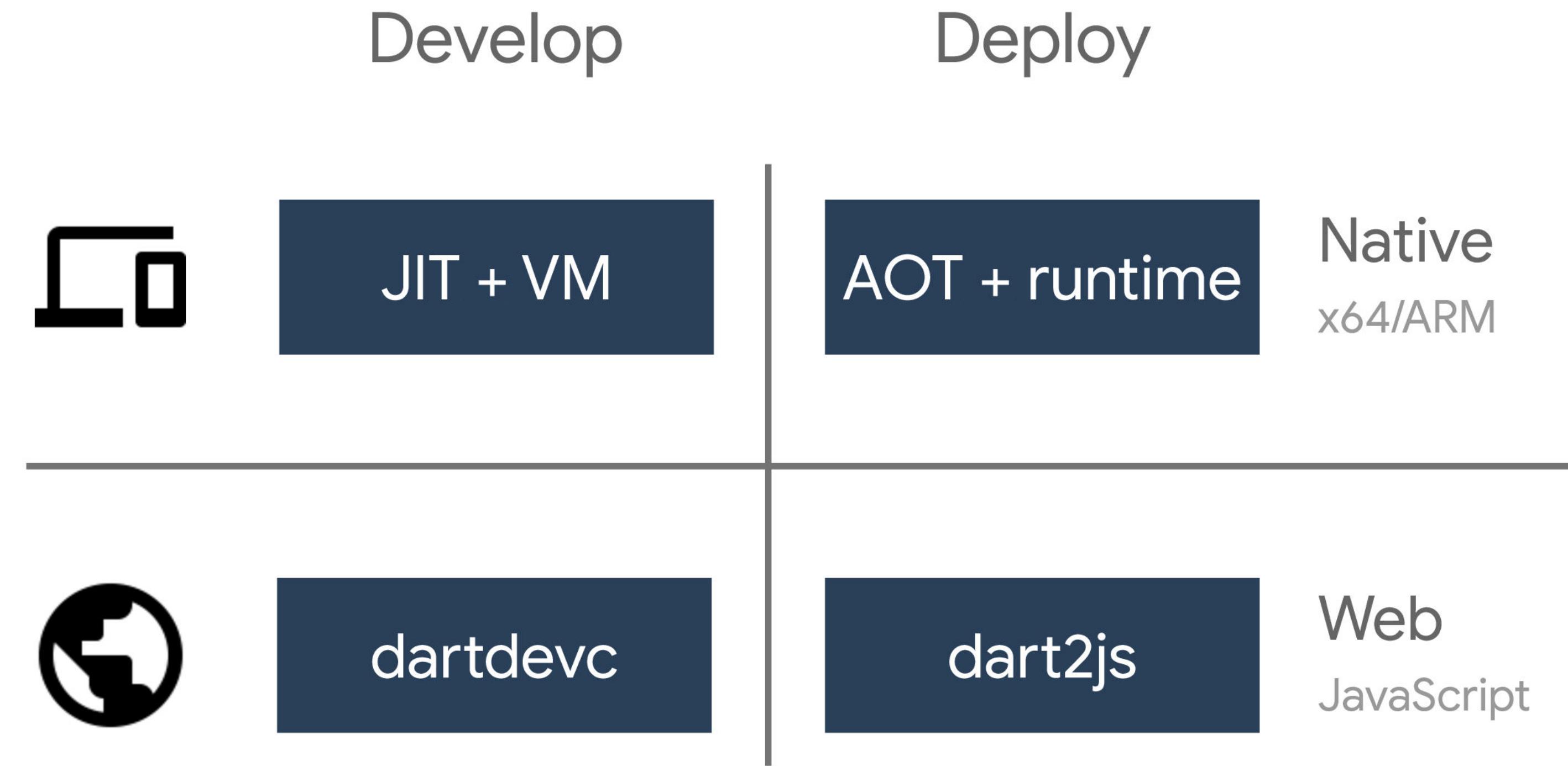
Stapps



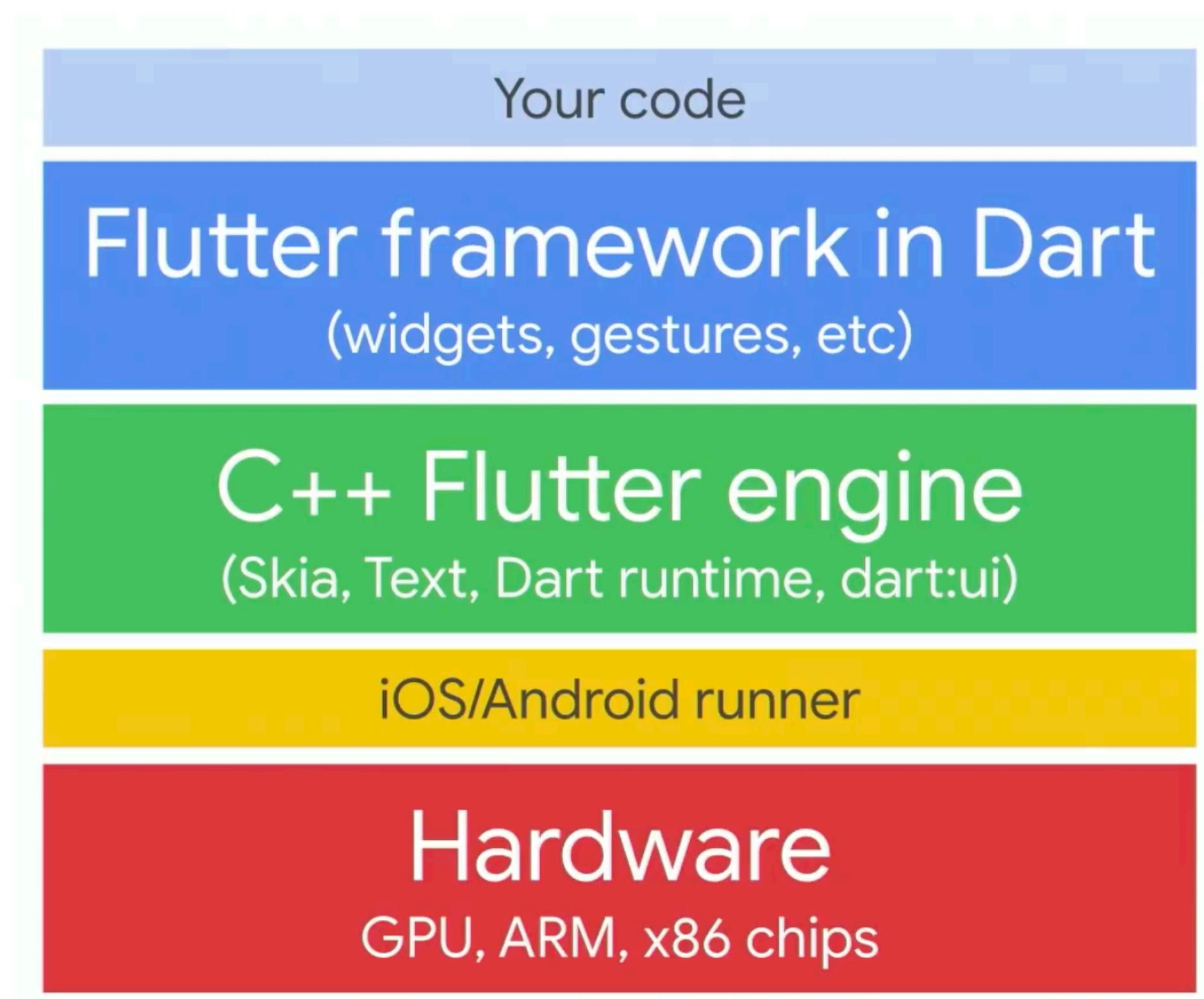
Check <https://flutter.dev/showcase>

# Dart

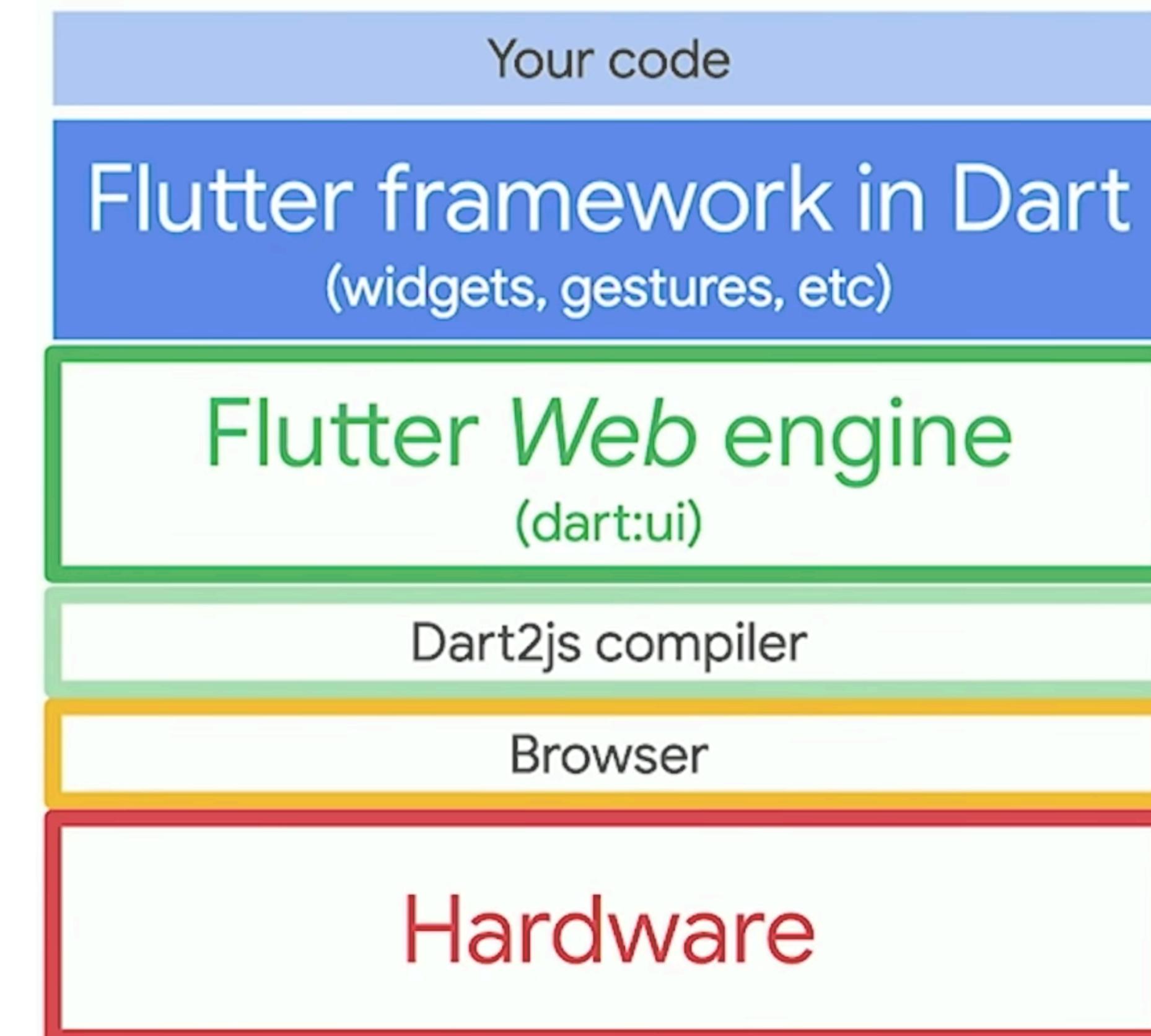
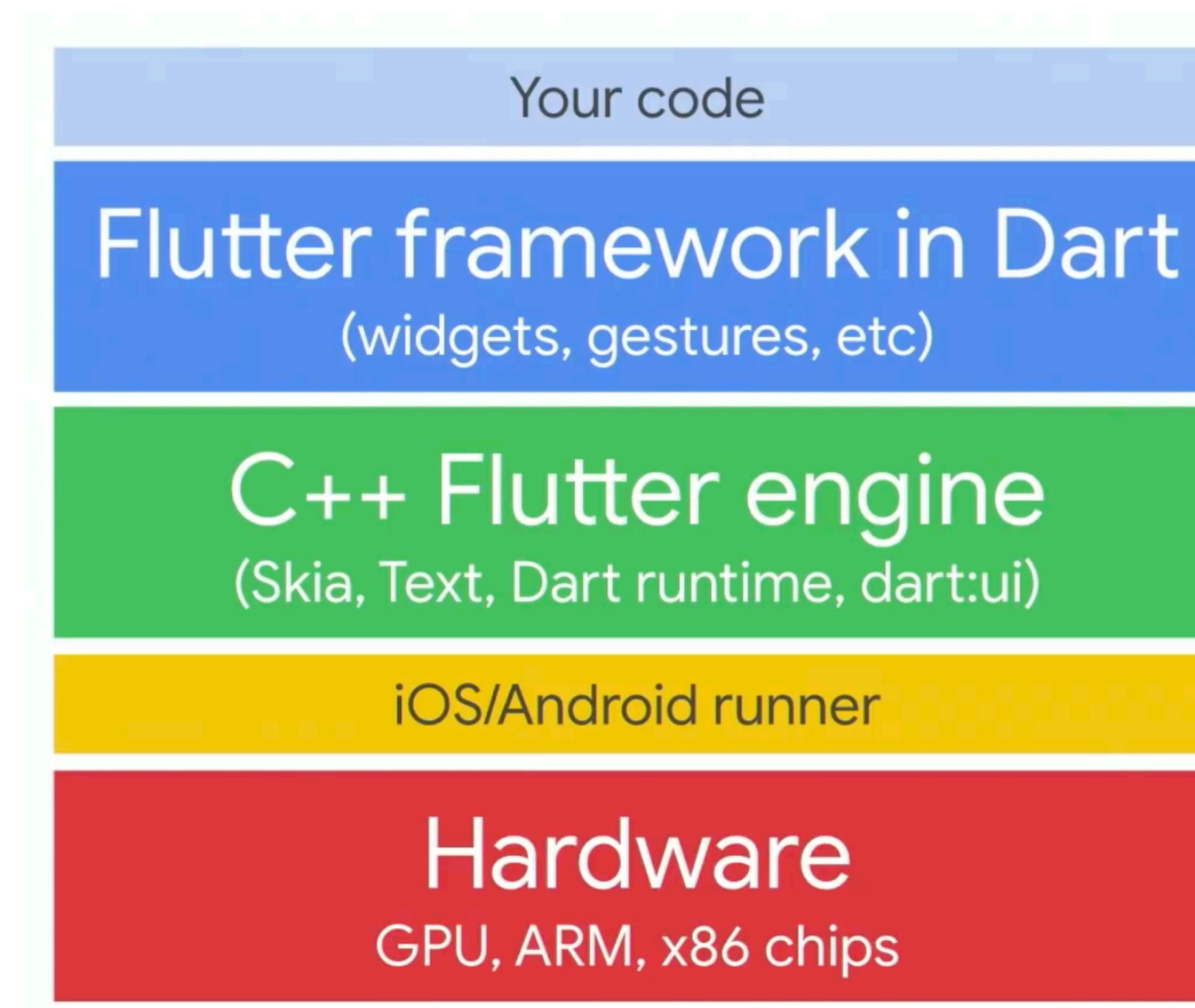
- General purpose language
- Familiar syntax
- Compiles to multiple platforms
- Allows for Hot Reload



# Under the Hood



# Under the Hood



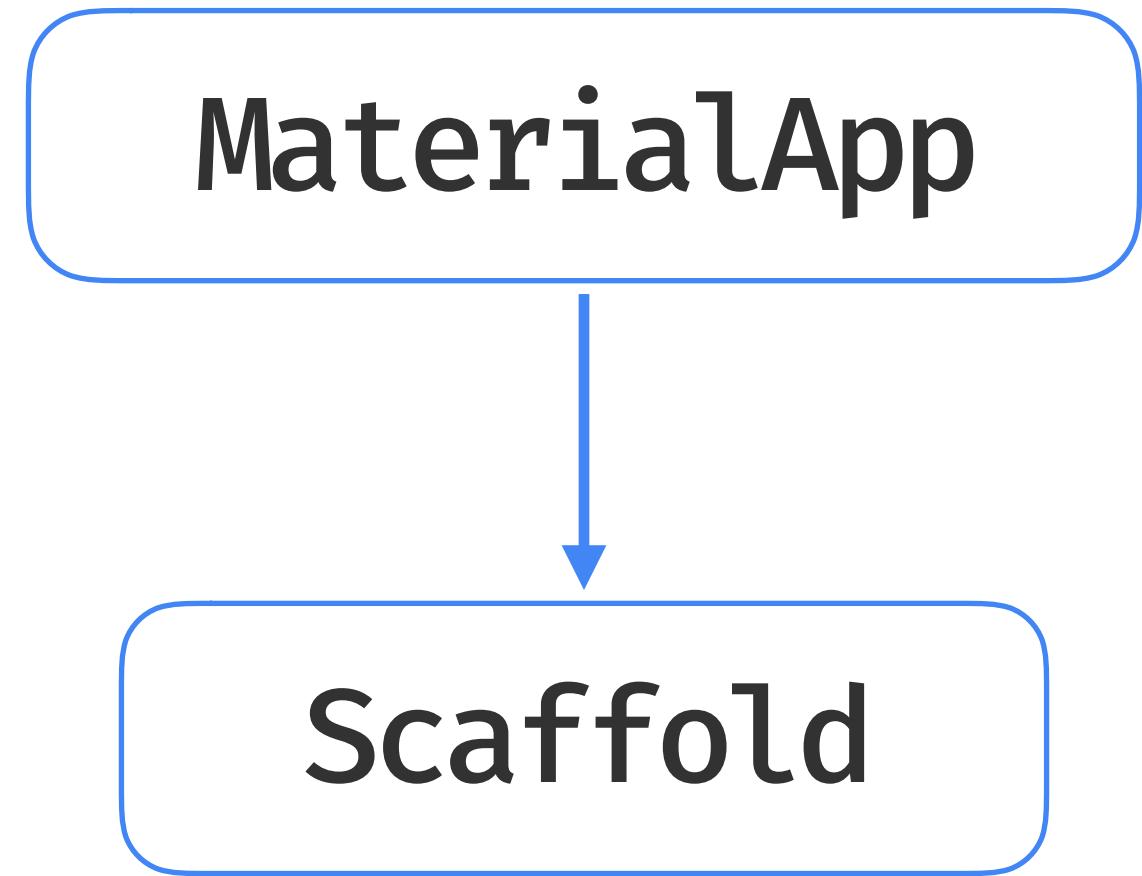
# Building UI

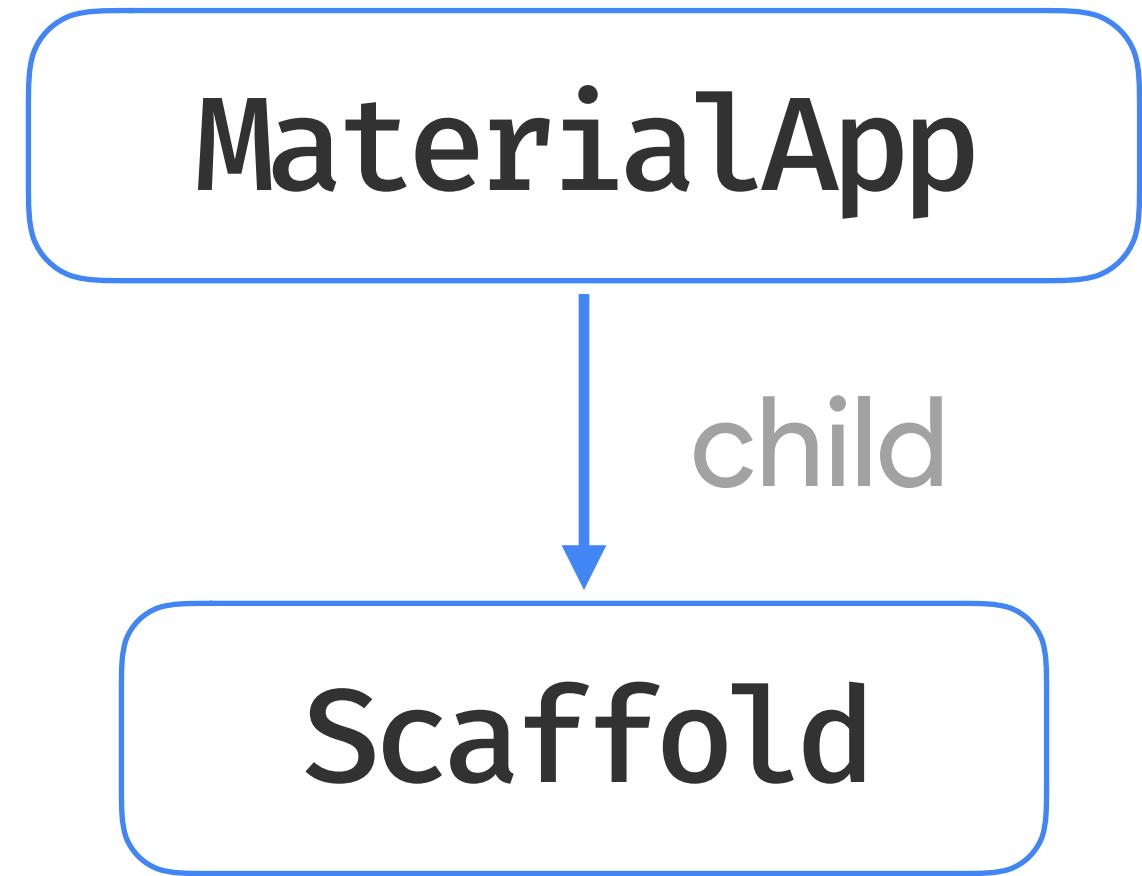


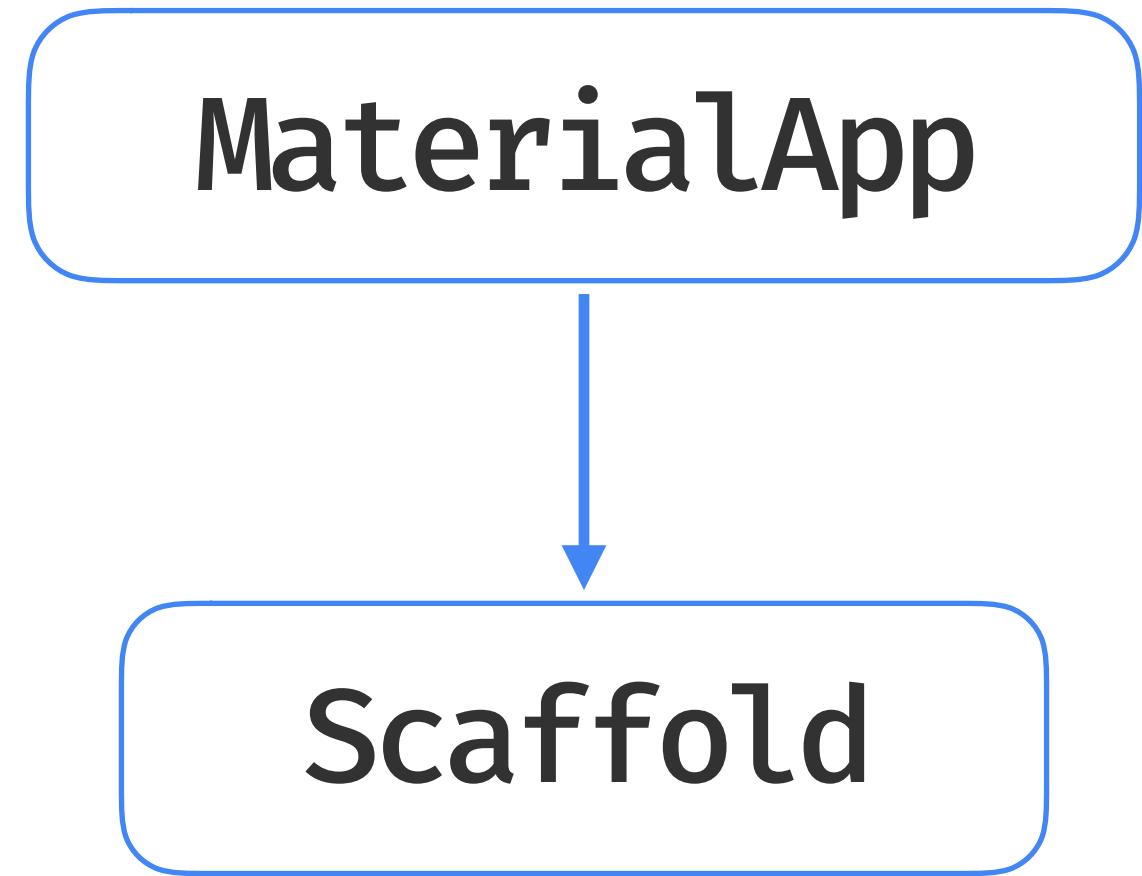
Google Developers

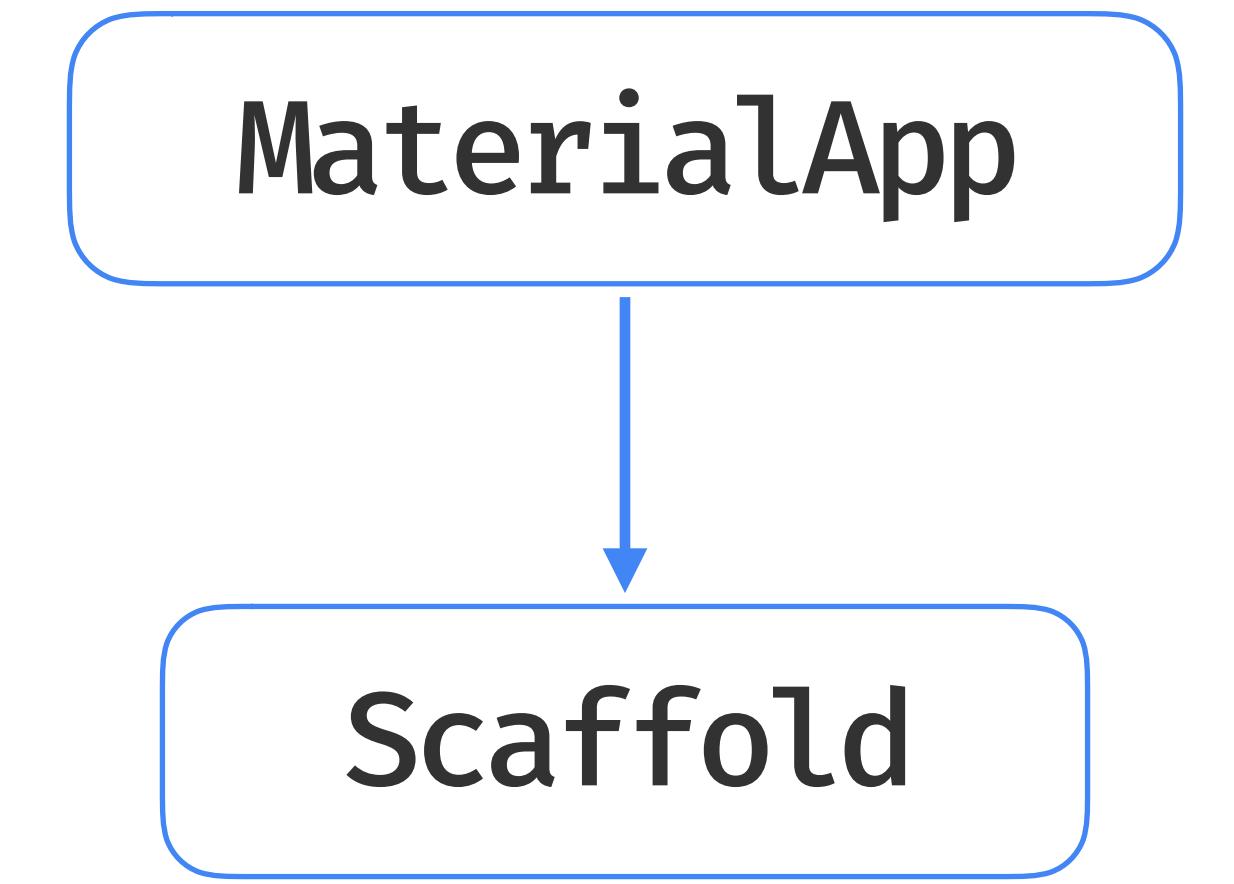
**MaterialApp**

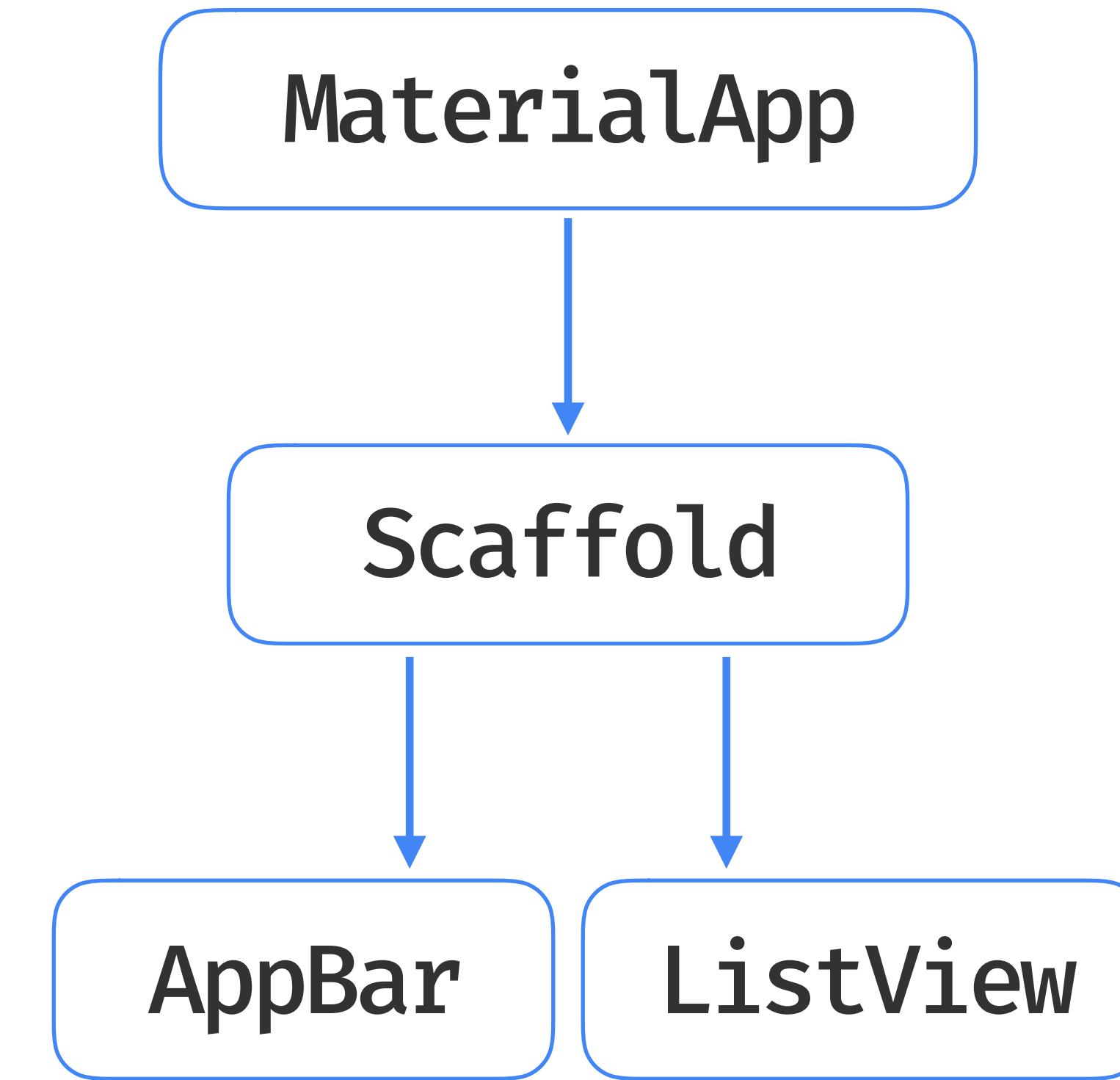
# MaterialApp

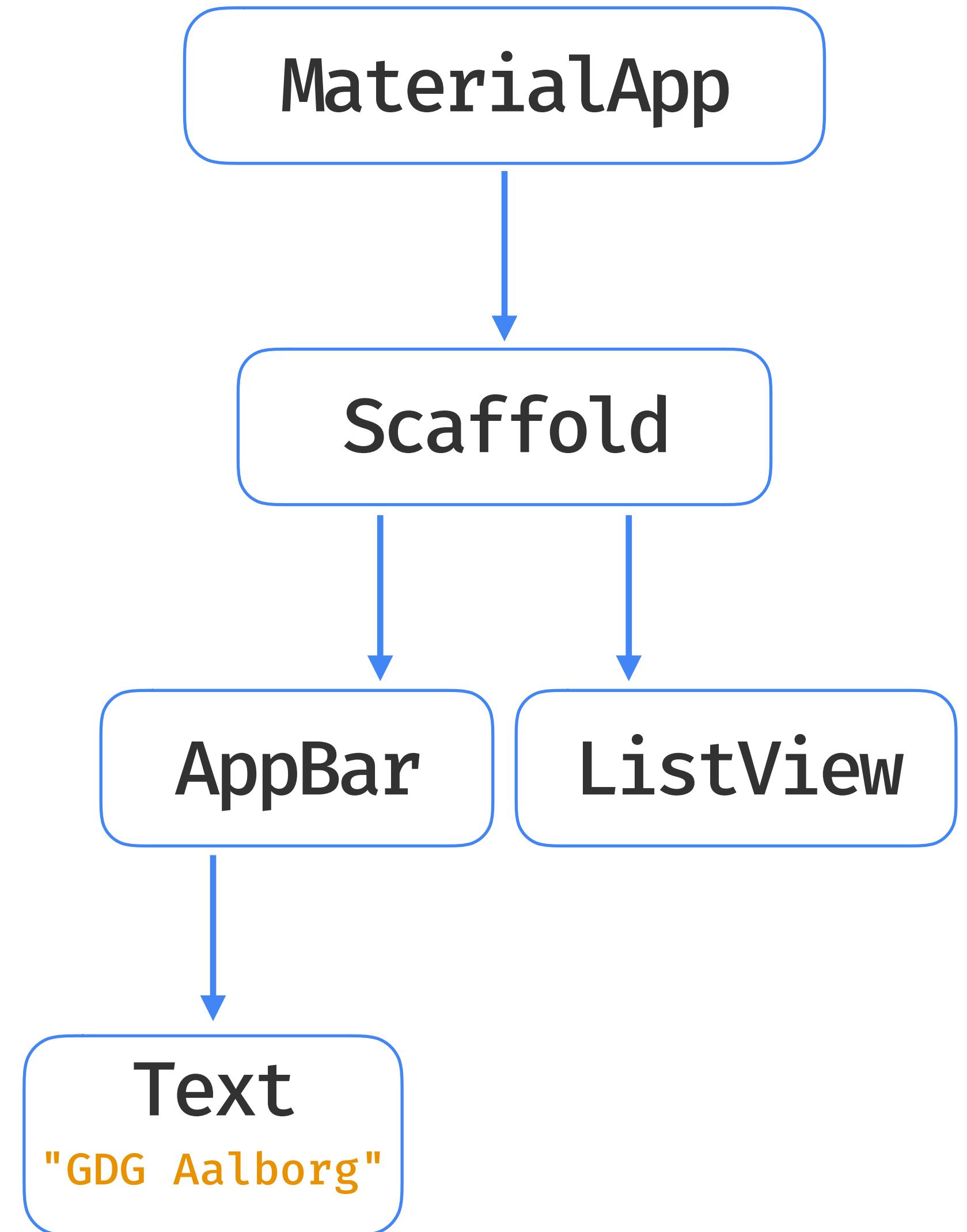


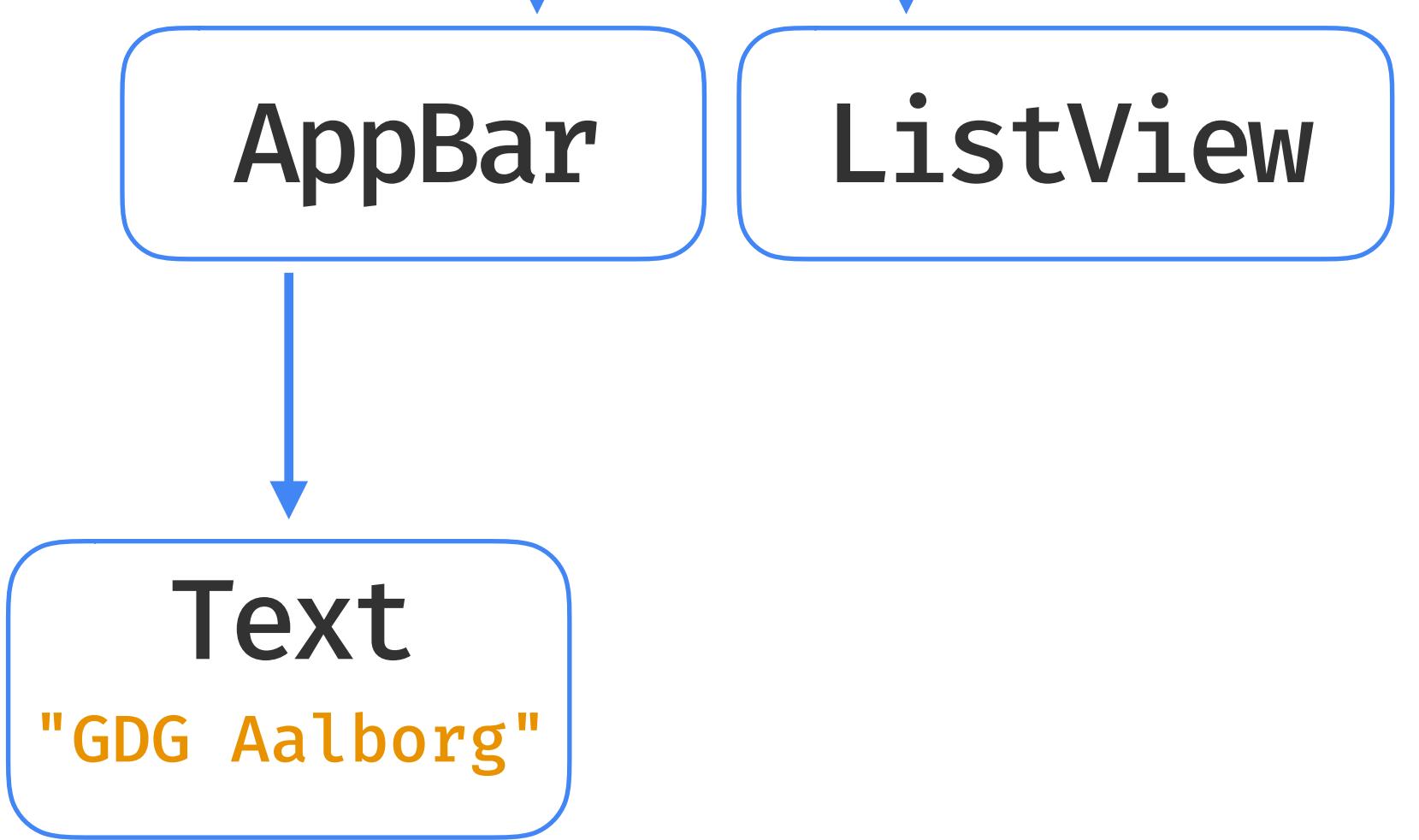


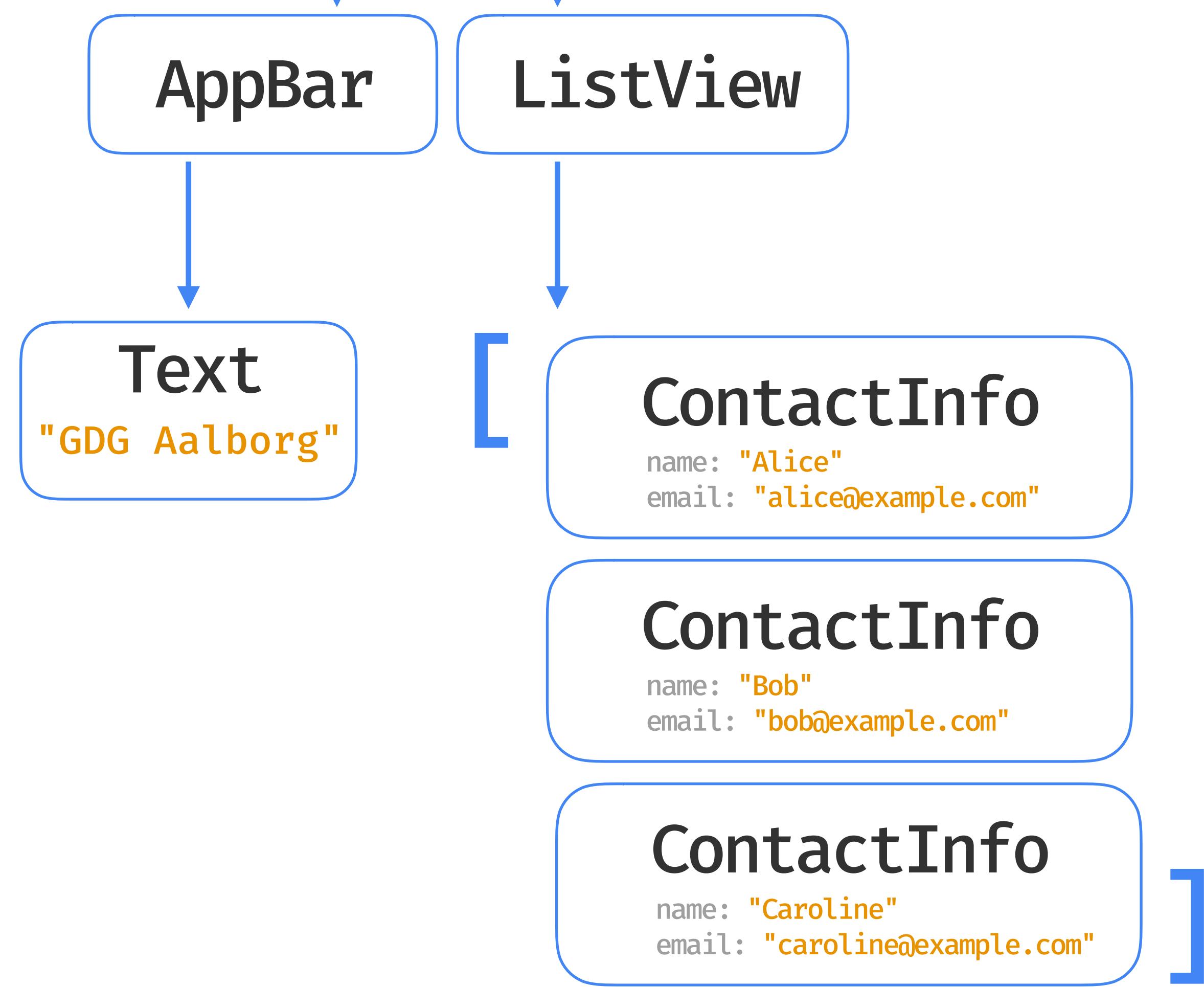












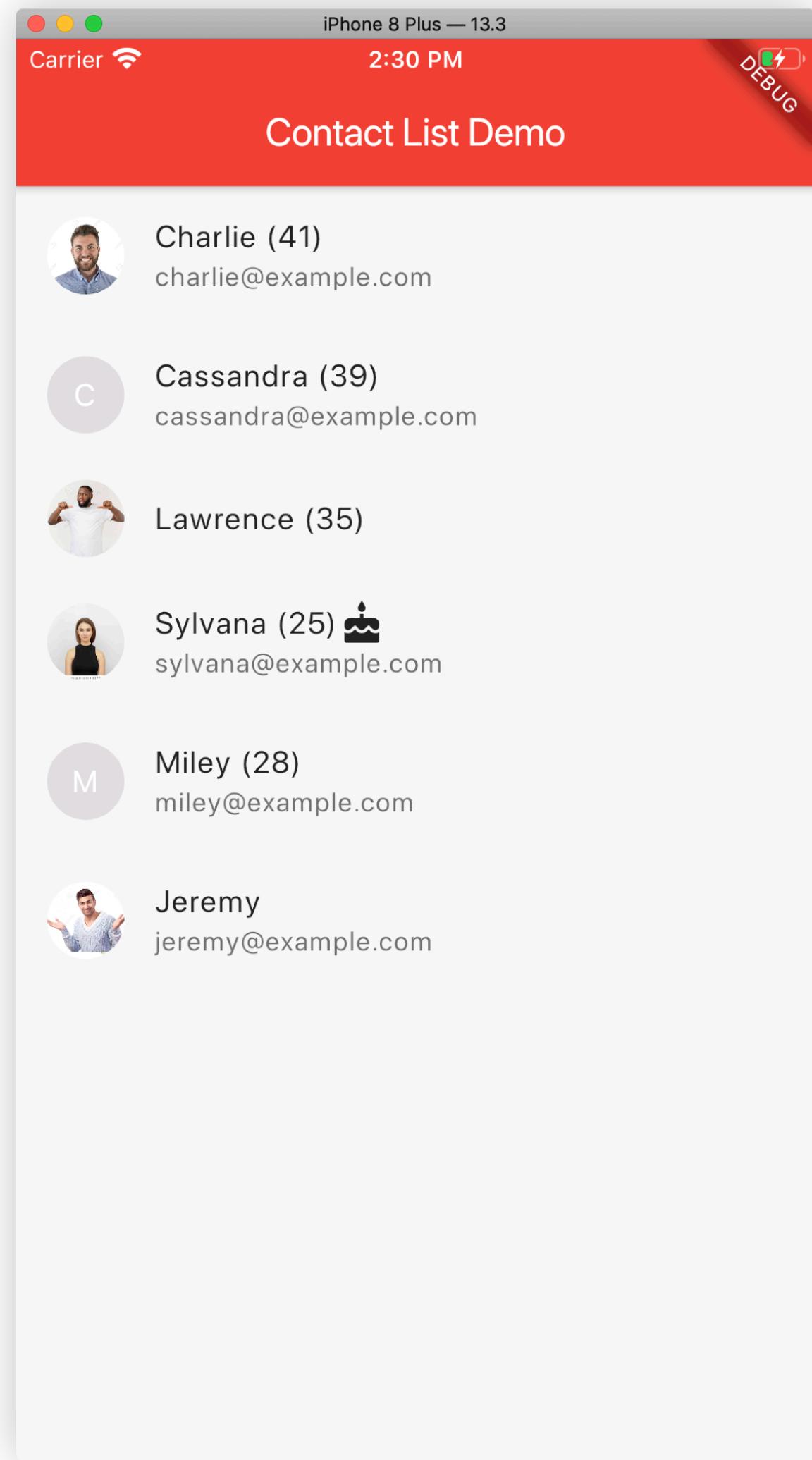
Let's get coding

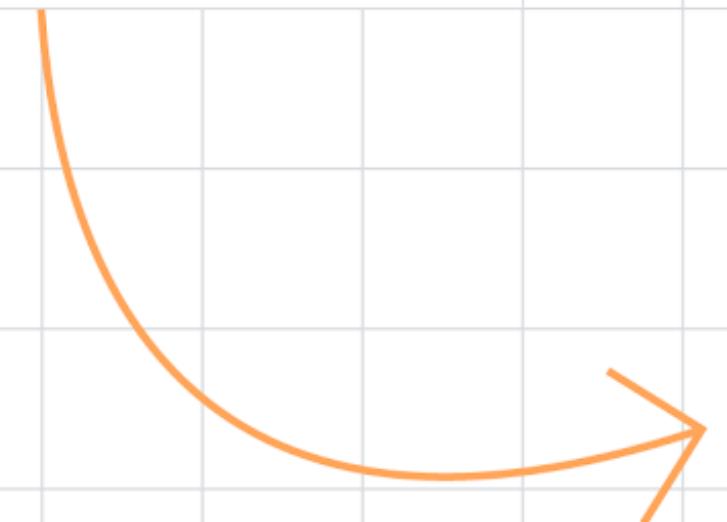
# Make a project

Run `flutter create contact_list`

Open the project in Android Studio or Visual Studio Code.

Debug using your IDE or by running `flutter run`





# Thank You!

Slides and code available at <https://jfk.dev/talks>



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