

DEVI

COMMUNITY NIGHT

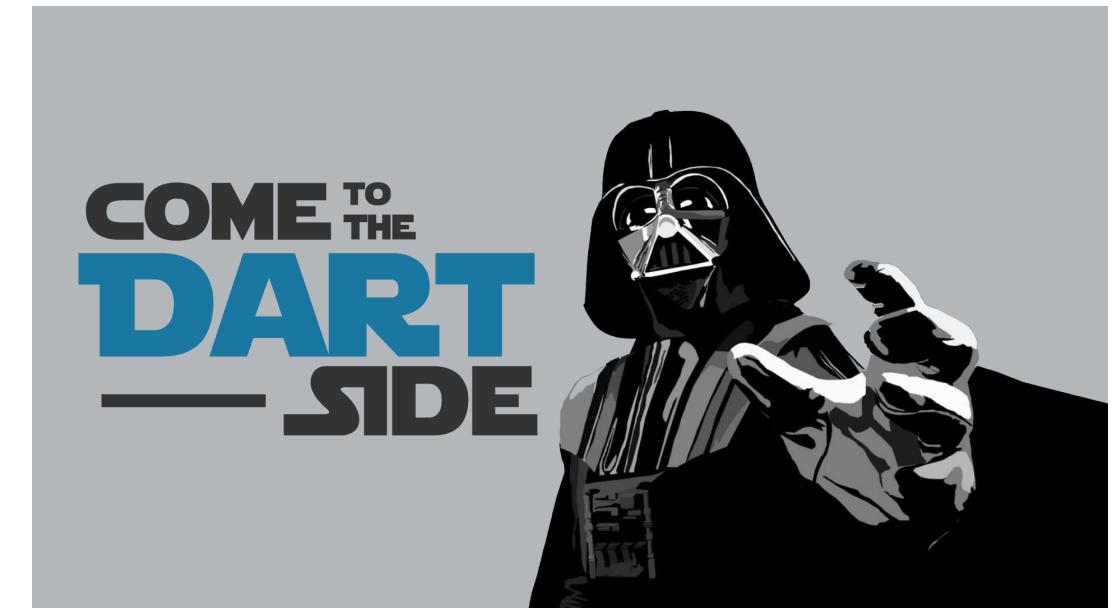
14.04.2021

BE A TALENT FLUTTER



Federico Parezzan

Java Developer



Sviluppatori Flutter



federico-parezzan



perez93



parezza.com

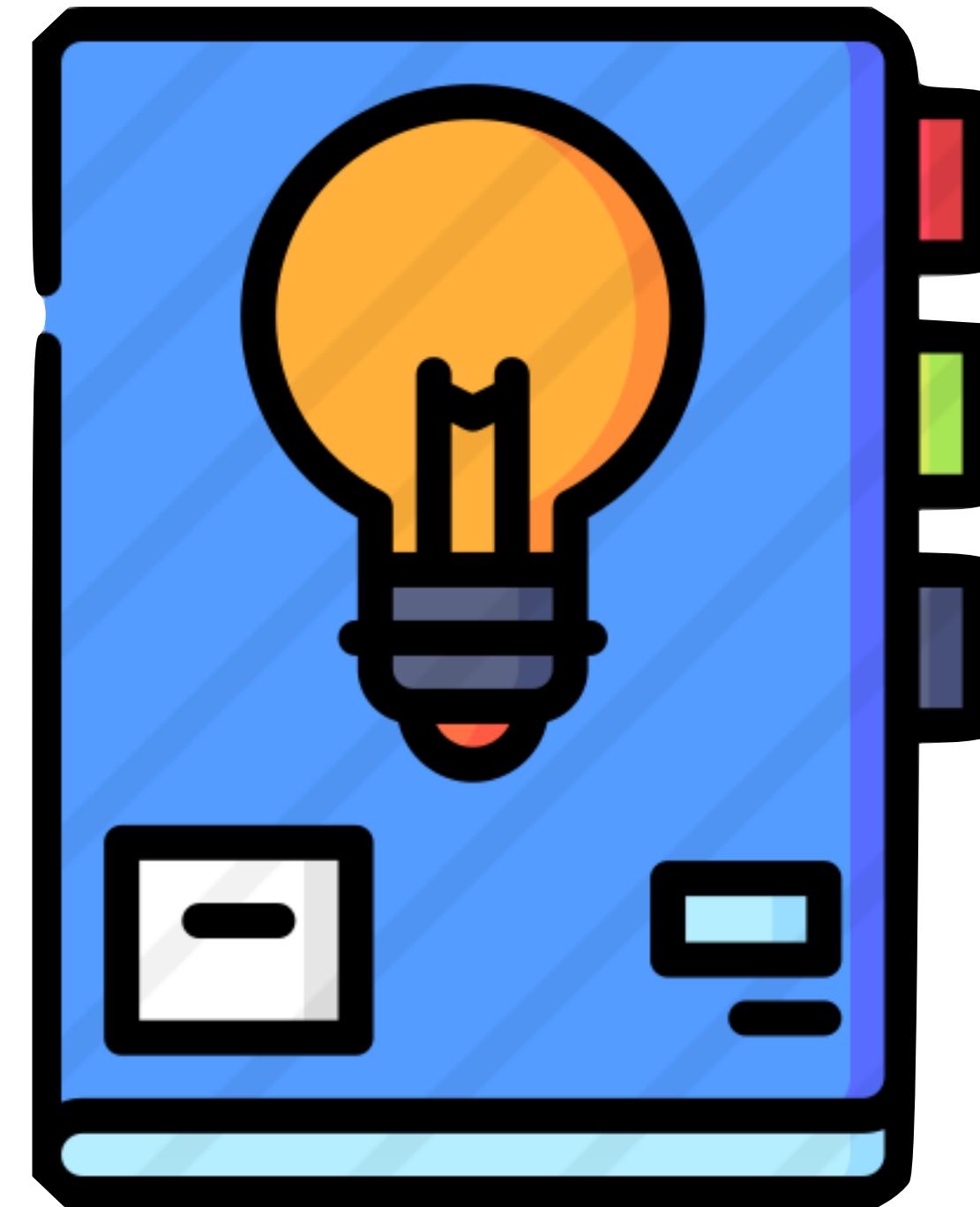


thecmmbay.com

Sono un essere umano, nulla che sia umano mi è estraneo ~ Terenzio

Agenda

-  Dart introduction
-  Tour of heroes
-  Flutter introduction
-  Project structure
-  Some aphorisms
-  What's next?



Lasciami un feedback!



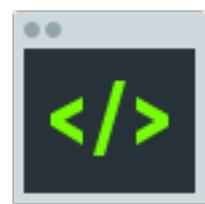
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What is Dart?



Object-oriented programming language



Compiled language



Inspired by modern features of other programming languages



Strongly typed



```
void main() {  
  for (int i = 0; i < 5; i++) {  
    print('hello ${i + 1}');  
  }  
}
```

▶ RUN

Console

DartPad

Documentation

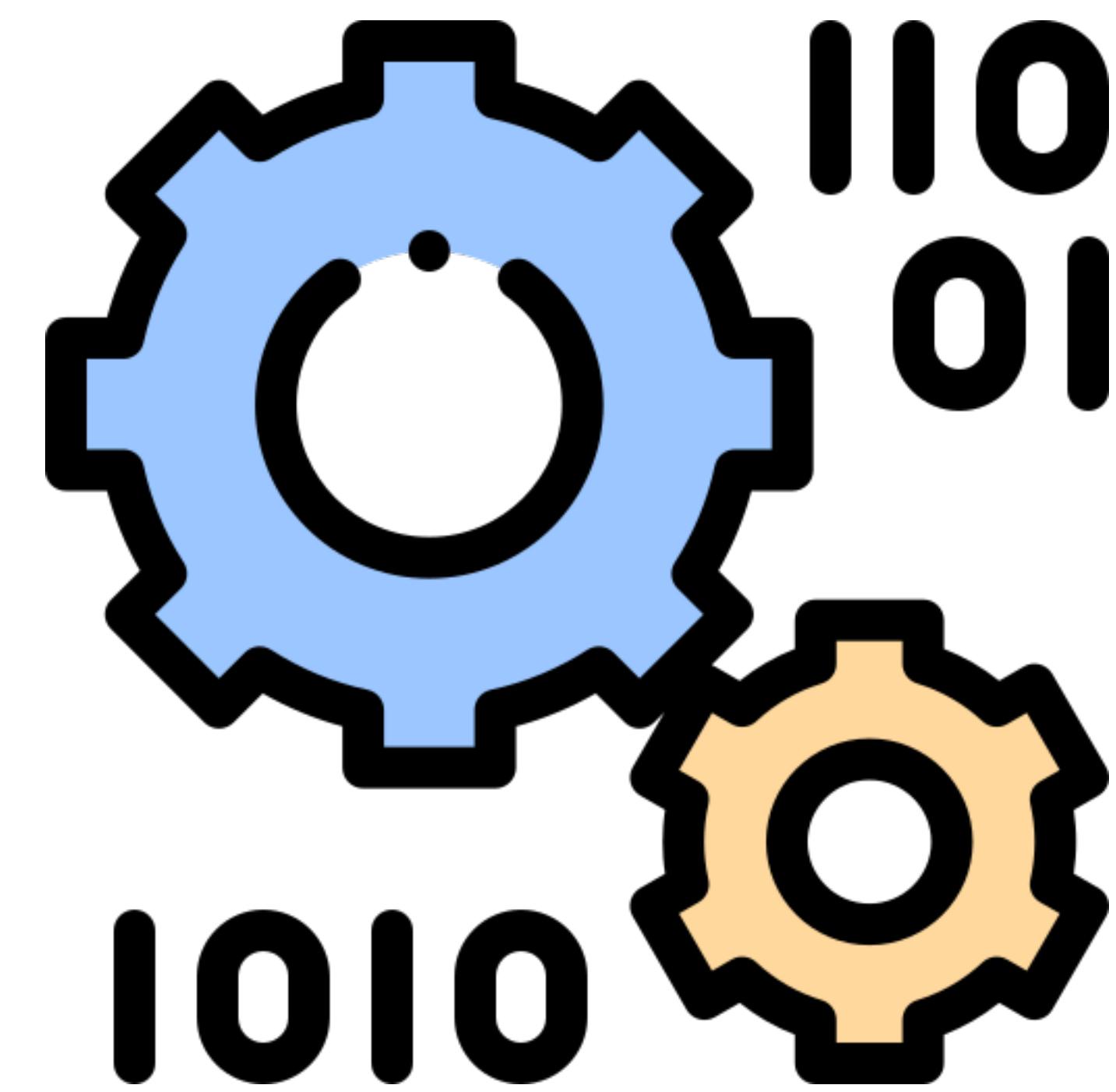
<https://dartpad.dartlang.org/>



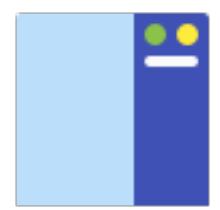
Execution of Dart code

 JIT

 AOT

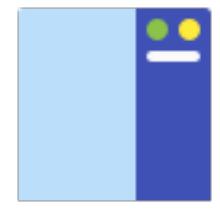


Why Flutter uses Dart?



Optimized for UI

Why Flutter uses Dart?



Optimized for UI



Productive development

```
// Java
public class Person{
    int year = 30;

    @Override
    public String toString() {
        return "I am " + year + " old";
    }
}
```

```
// Kotlin
class Person{
    var year: Int = 30

    override fun toString() = "I am $year old"
}
```

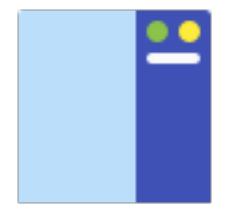
```
// Dart
class Person{
    int year = 30;

    toString() => "I am $year old";
}
```

```
// Typescript
class Person{
    year: number = 30;

    public toString = () : string => {
        return `I am ${this.year} old`;
    }
}
```

Why Flutter uses Dart?



Optimized for UI



Productive development



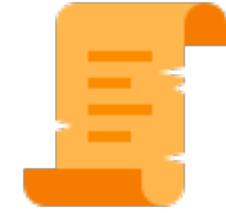
Fast on all platforms



DEMO

Tour of Heroes

CLUE



“ ... we have cookies ”

COME TO THE DARTH SIDE

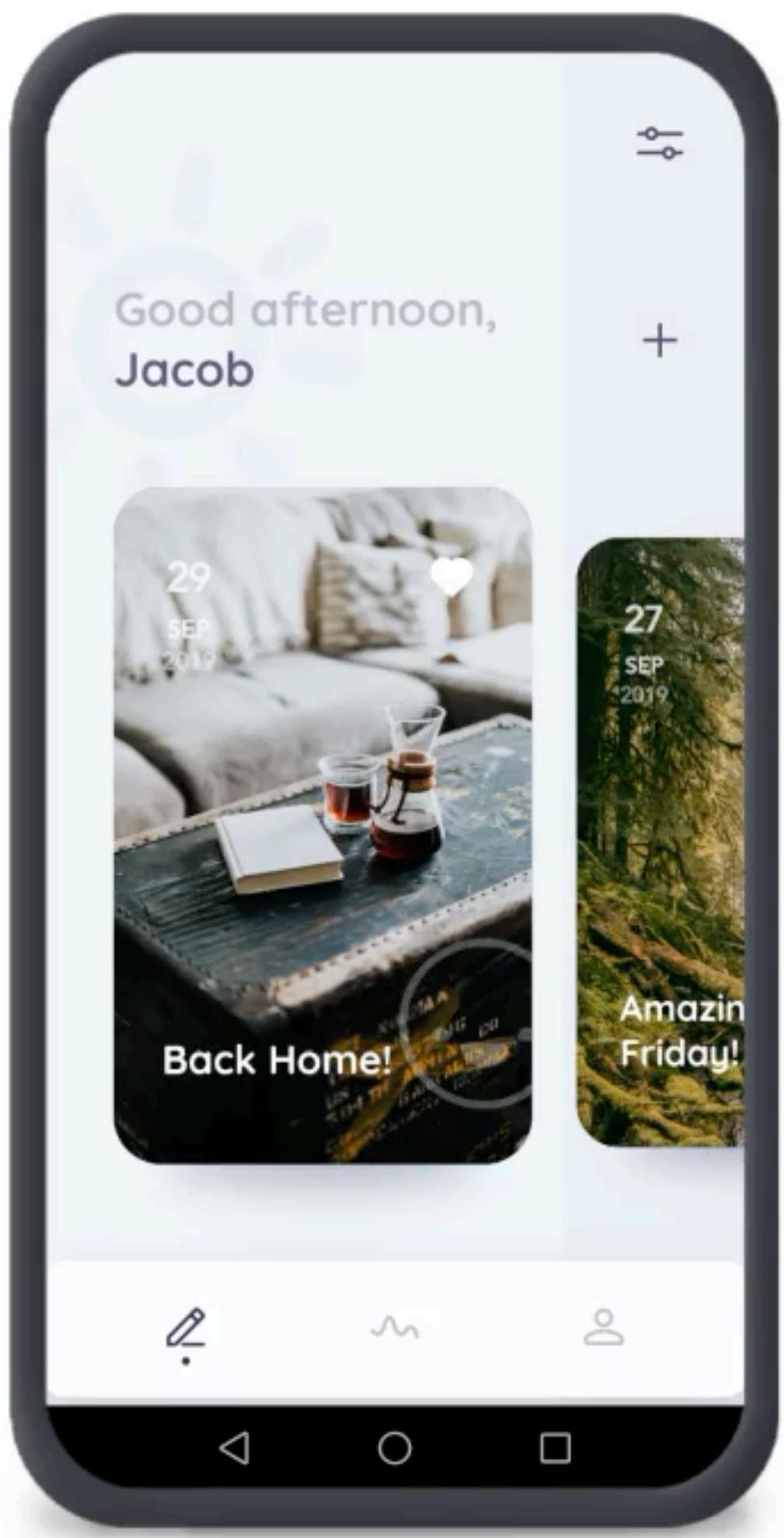


What is Flutter?

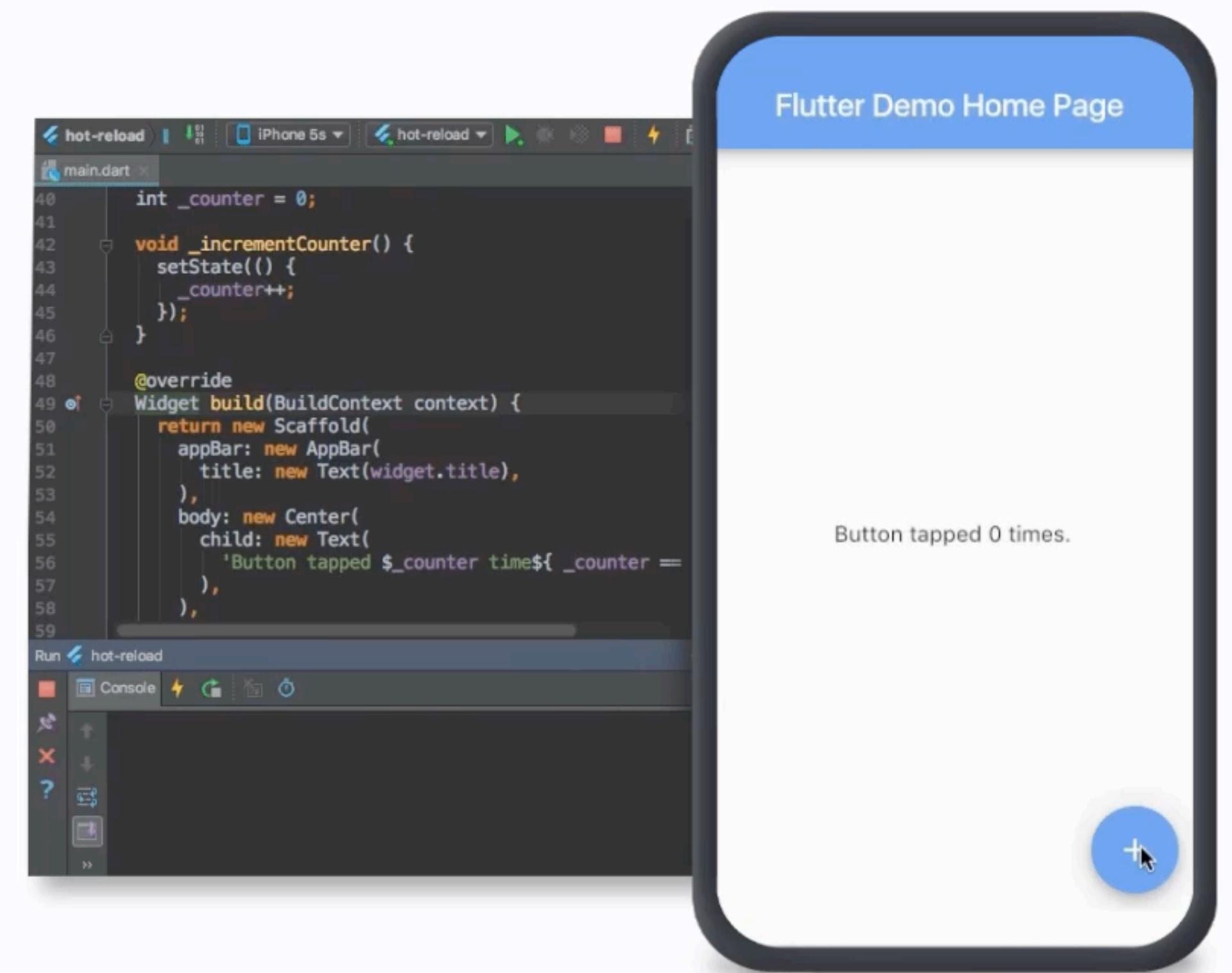


**Flutter is Google's UI toolkit for building beautiful
natively compiled applications for mobile, web,
and desktop from a single codebase**

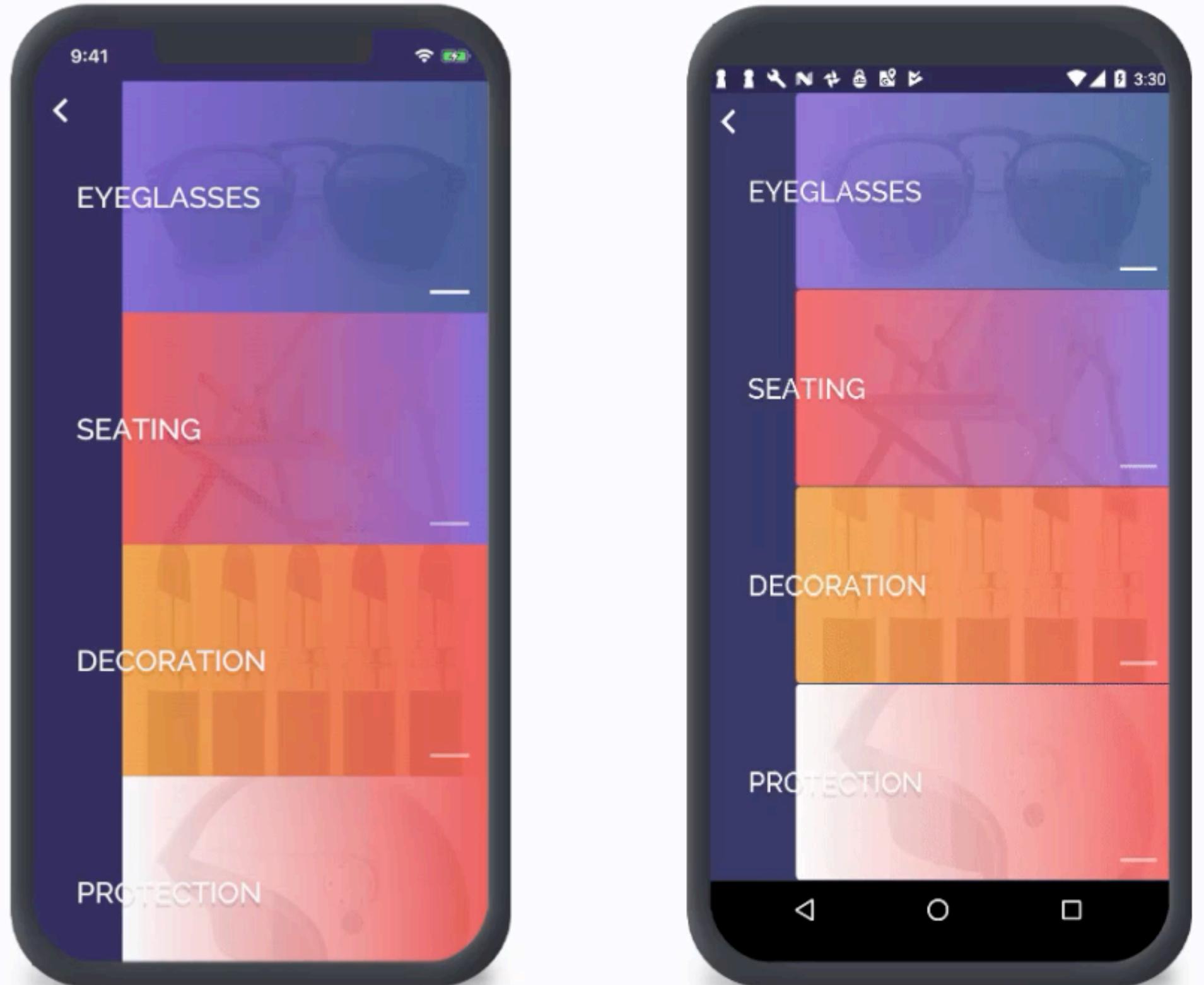
Beautiful UIs



Fast development



Native Performance



What makes Flutter unique?



Compile to Native Code
(ARM Binary Code)



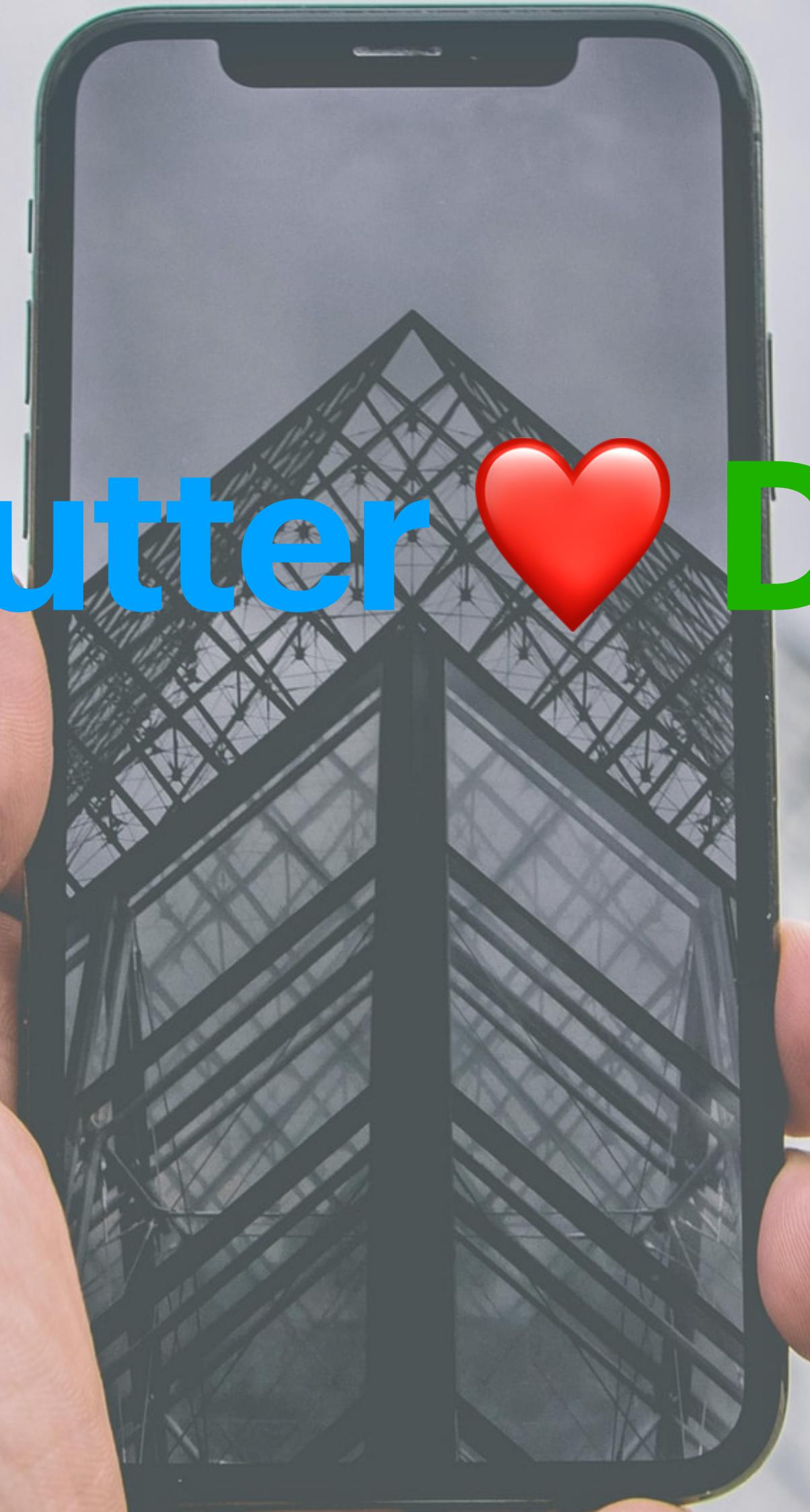
No bridge needed



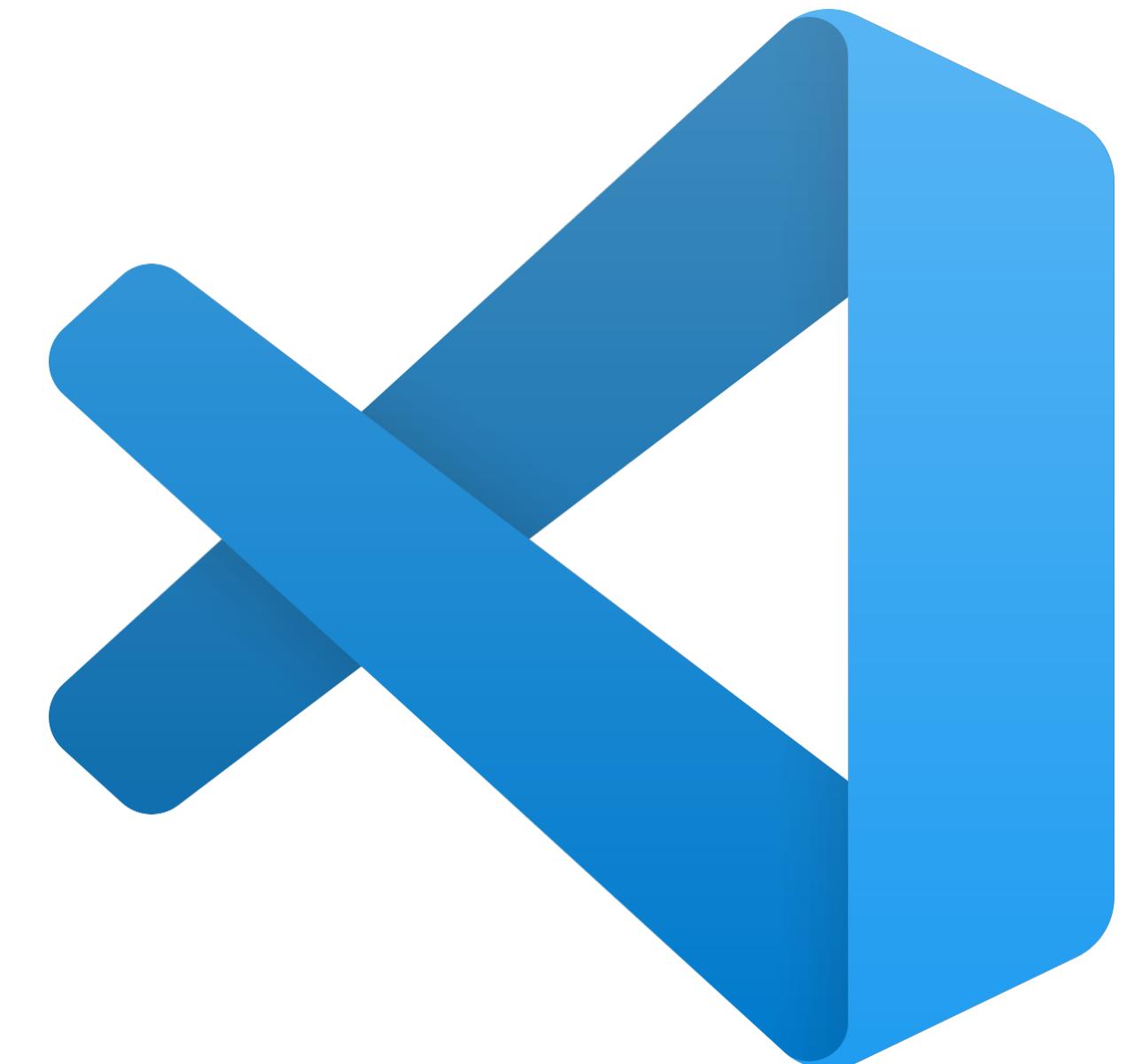
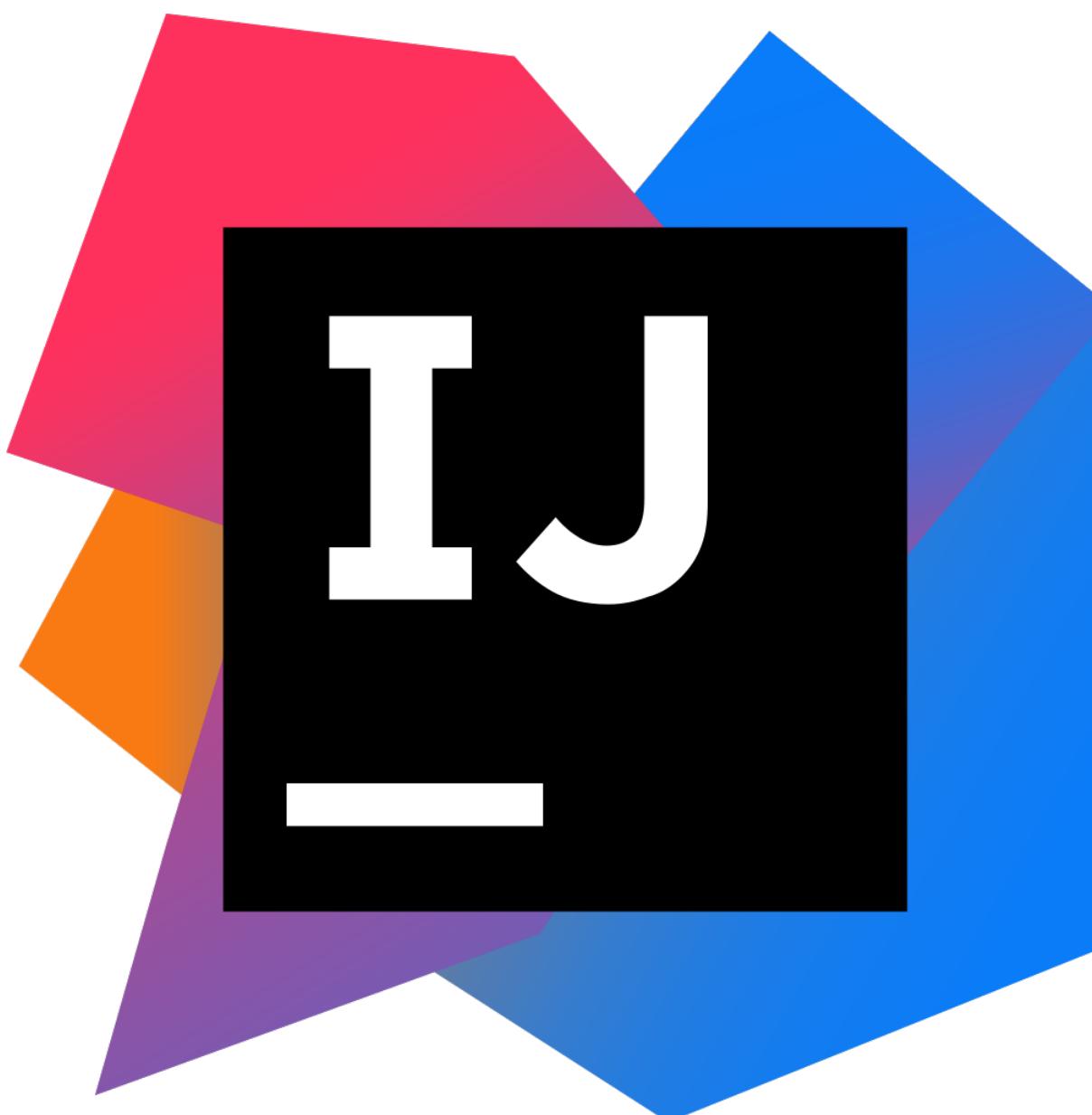
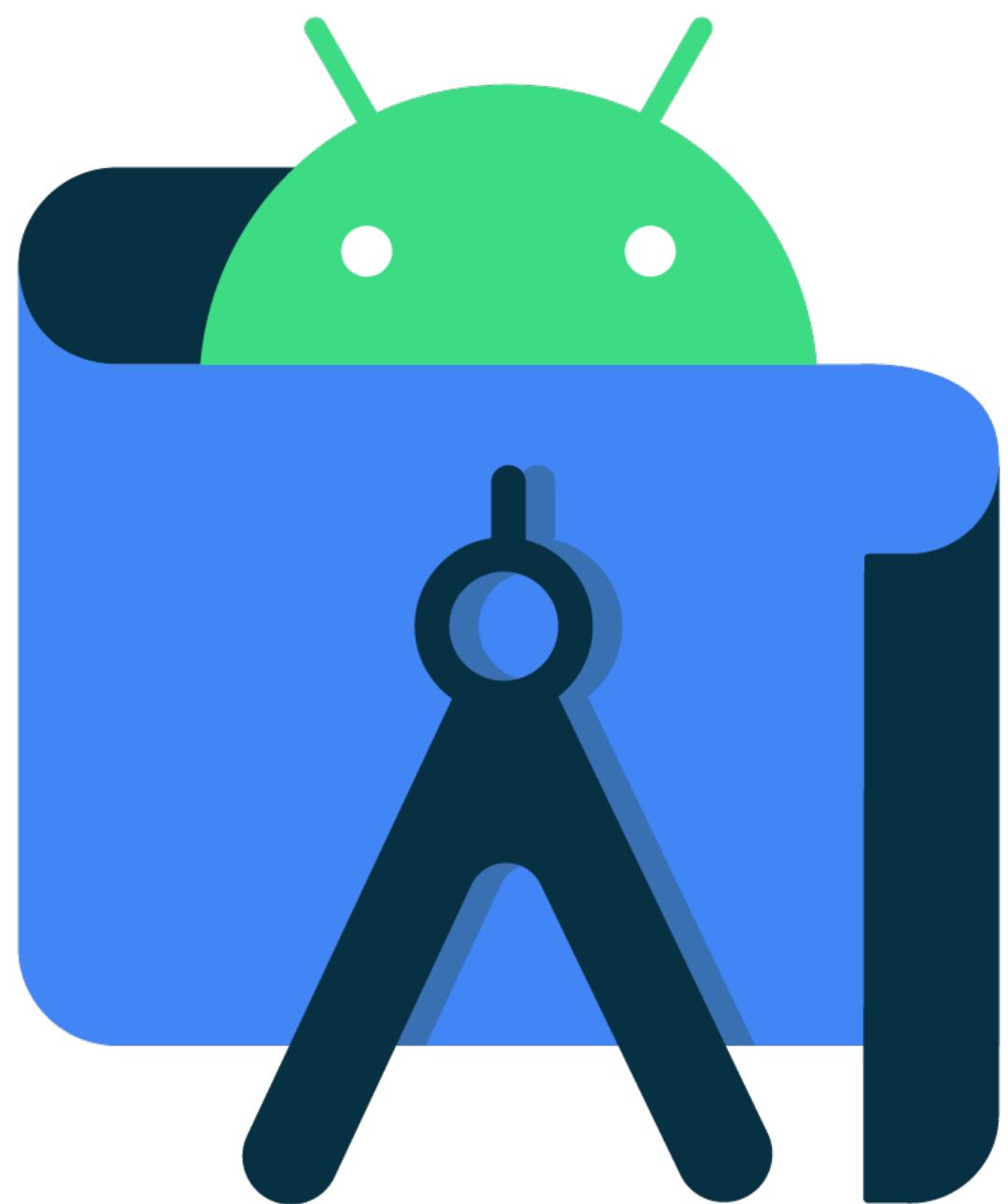
No markup language



Flutter ❤ Dart



IDE Support



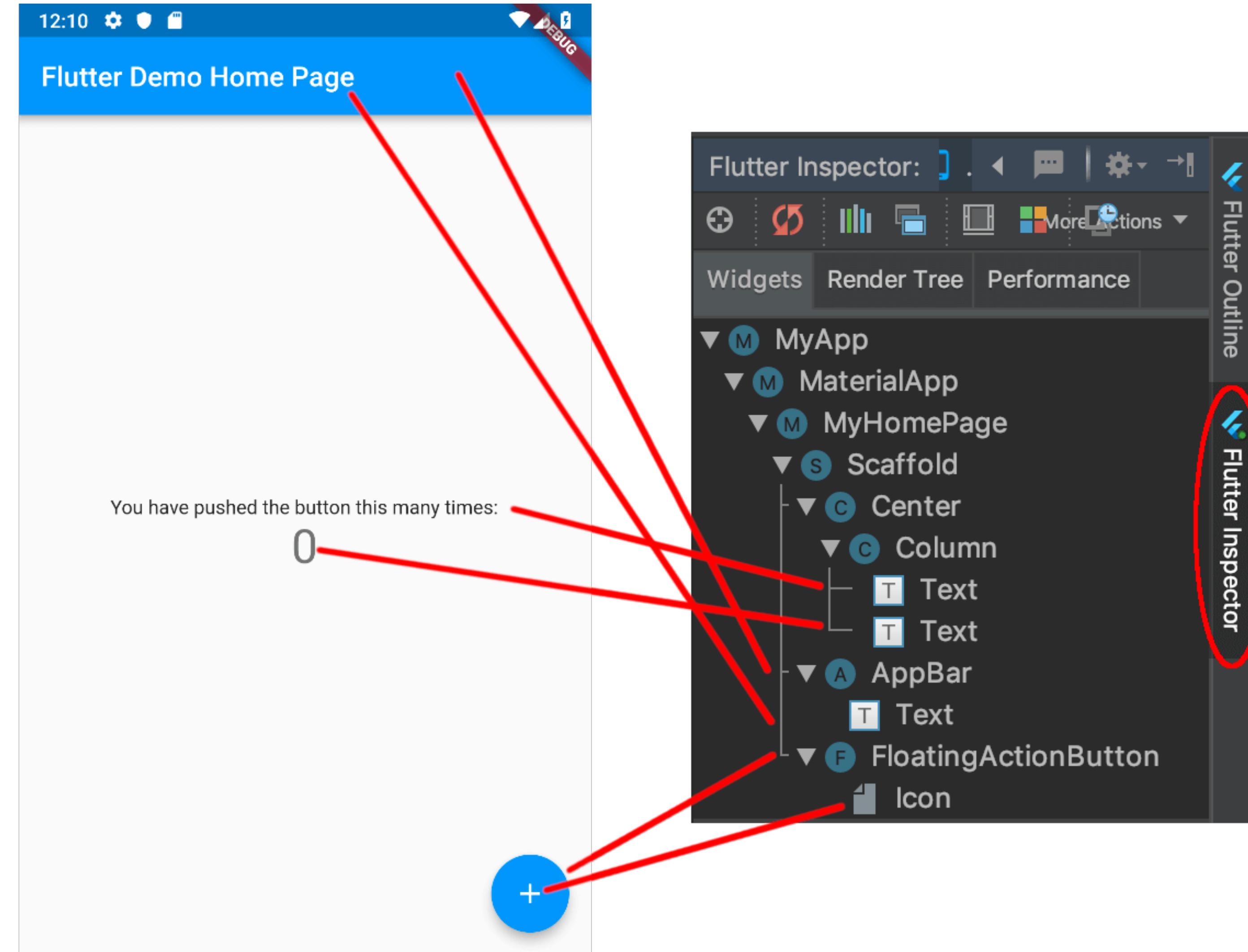
Project Structure

A photograph of a person sitting on a wooden dock, facing away from the camera towards a lake and a range of mountains. The water is calm, reflecting the surrounding greenery and rocky peaks. The sky is clear and blue.

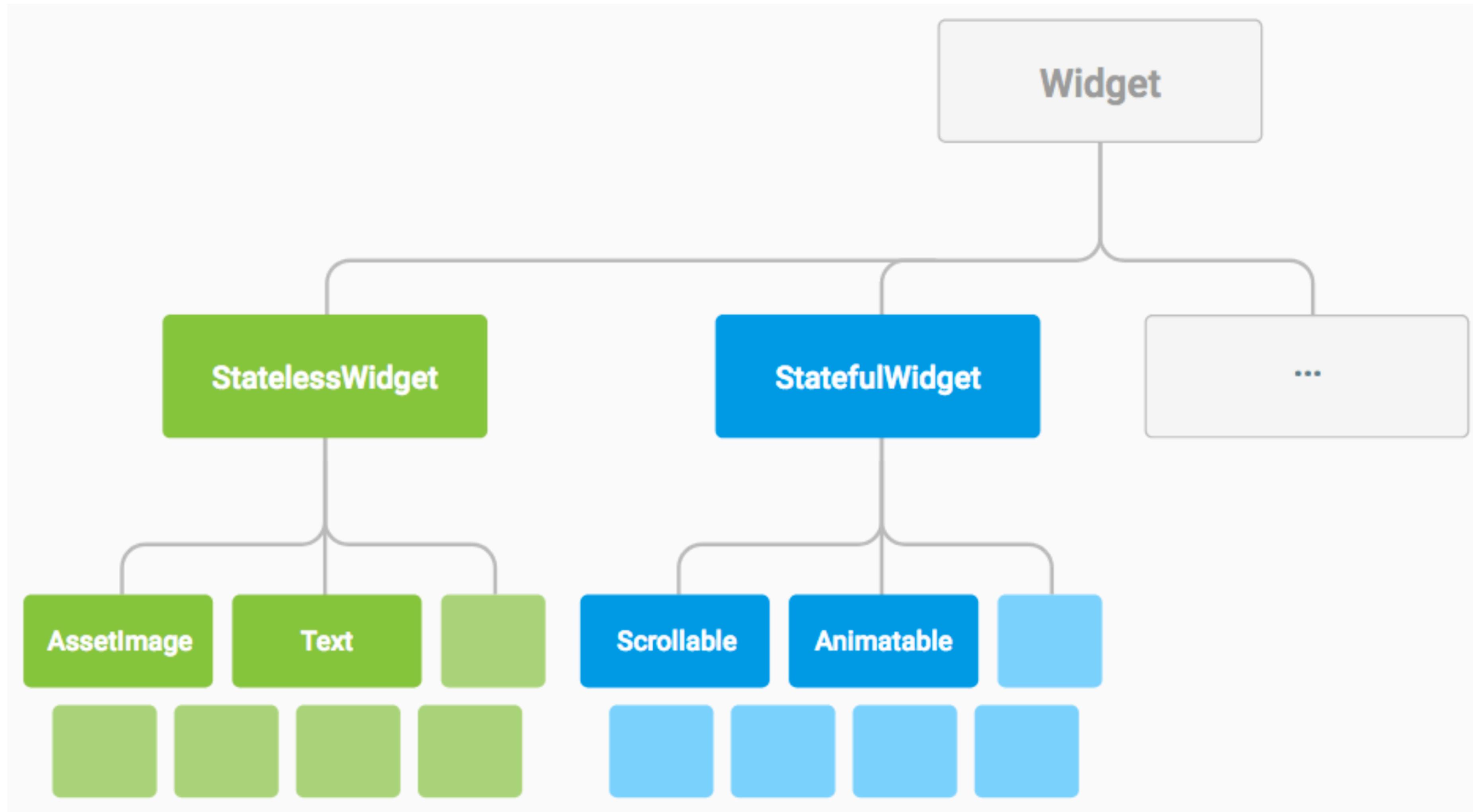
Widget, Widget, Widget!

Everything is a widget

All is a widget



Types of widget



DEMO



What's next?

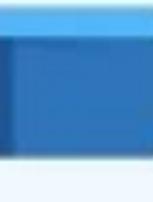
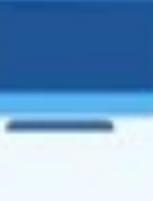


over 150,000 Flutter apps



Flutter

What's New ?

-  Mobile
-  Web
-  Desktop
-  Embedded

Recap

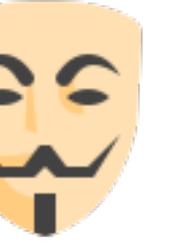
What we have learned

- 👉 An introduction of Dart language
- 👉 An introduction of Flutter
- 👉 Key strength of Flutter
- 👉 Project structure
- 👉 All is a Widgets
- 👉 Flutter 2



Dart/flutter

Lasciami un feedback!



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Q&A