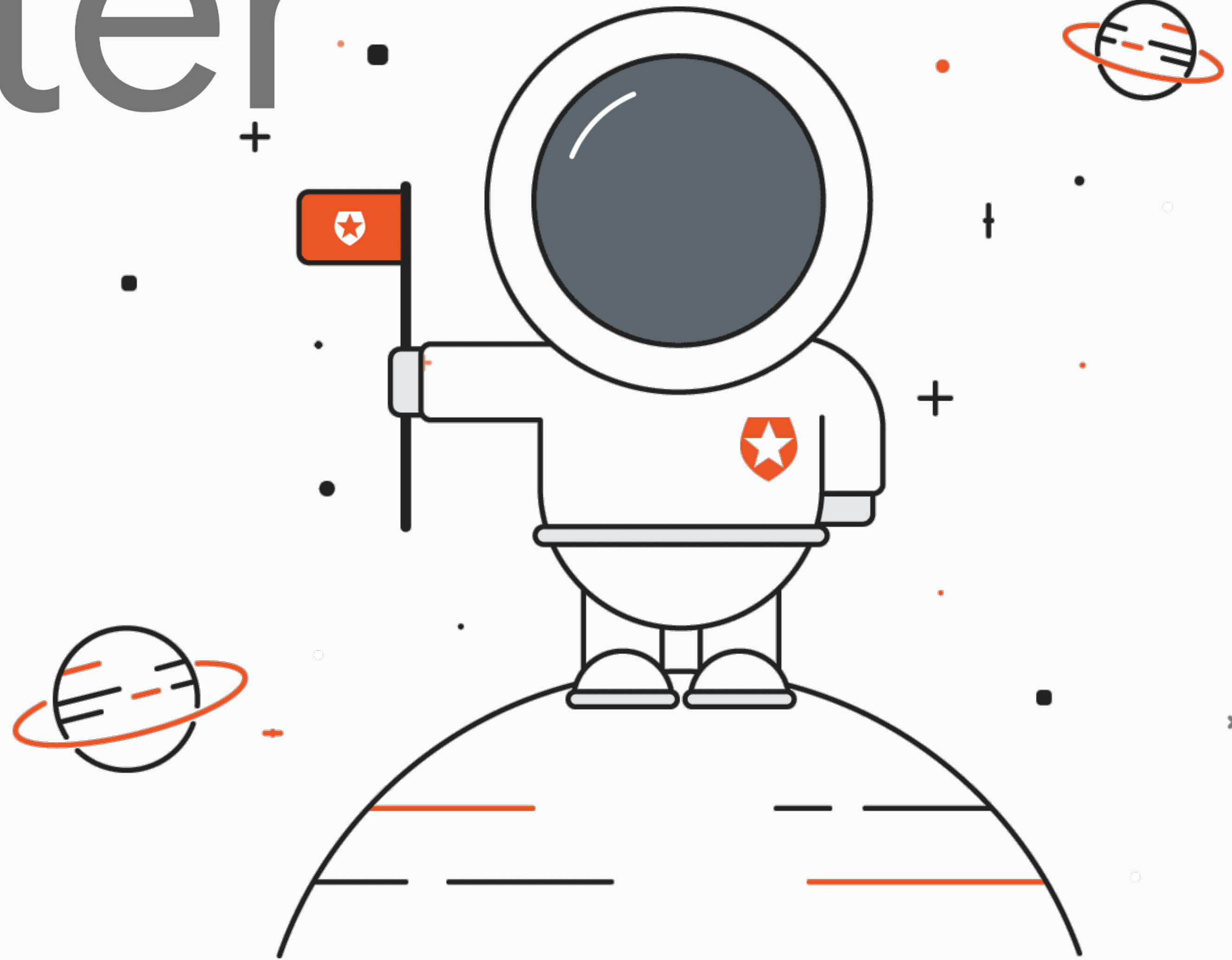
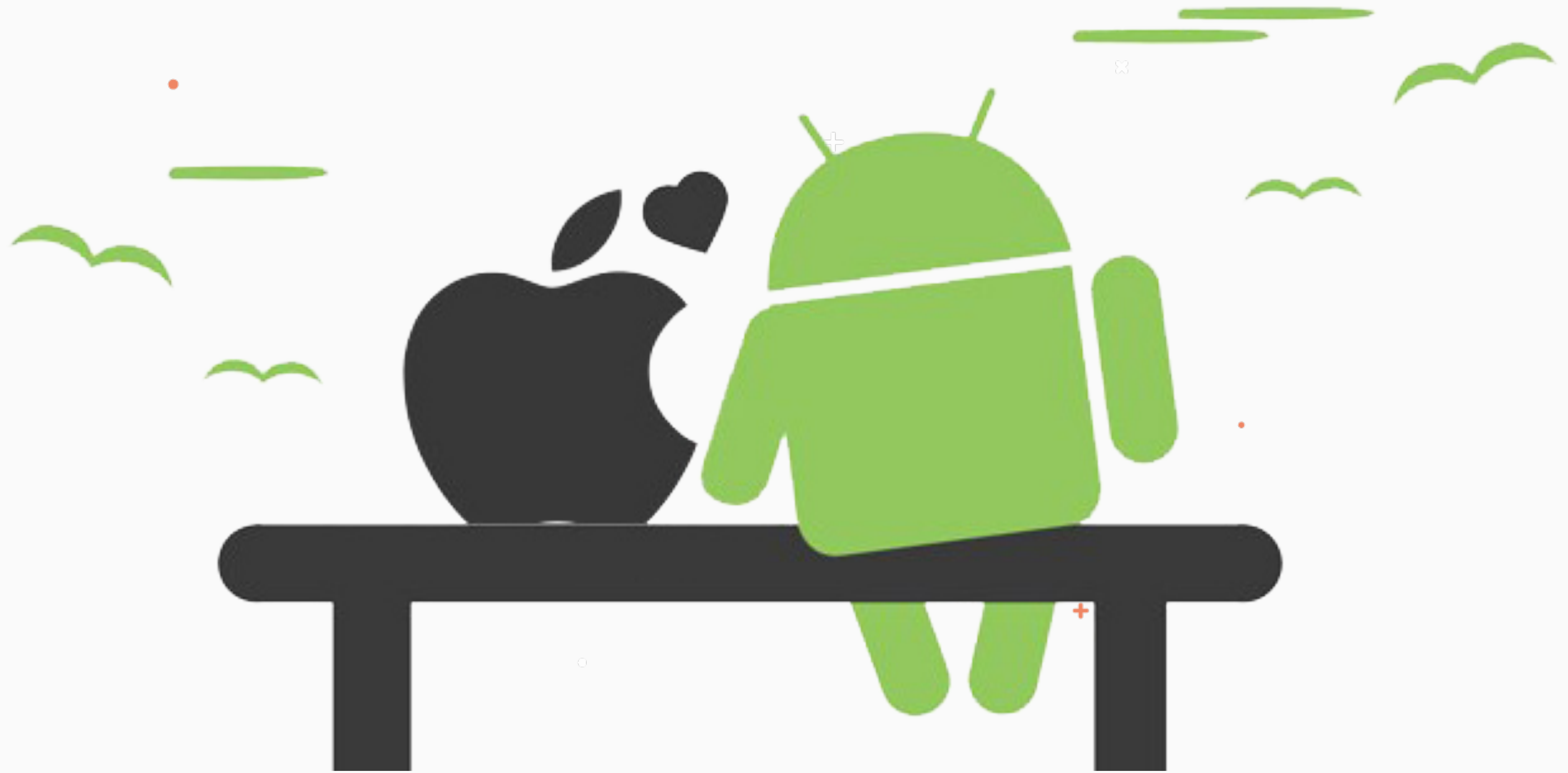




# Flutter.

DEVS+502 MEETUP 2019.01





# Multiplatform Mobile Development App Engine (SDK)

Based on Dart and inspired on React

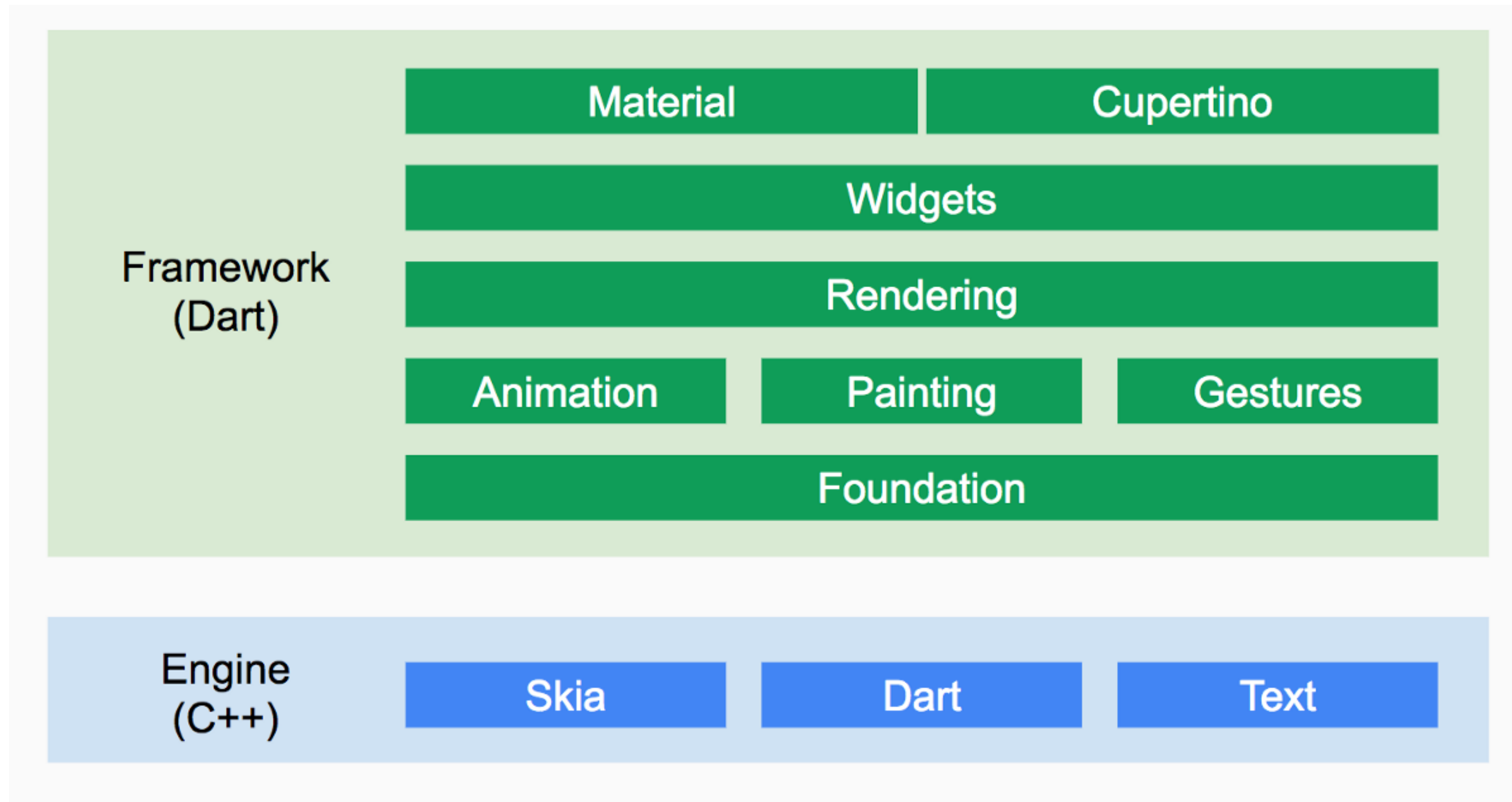
@itrjwyss



# Characteristics of Flutter

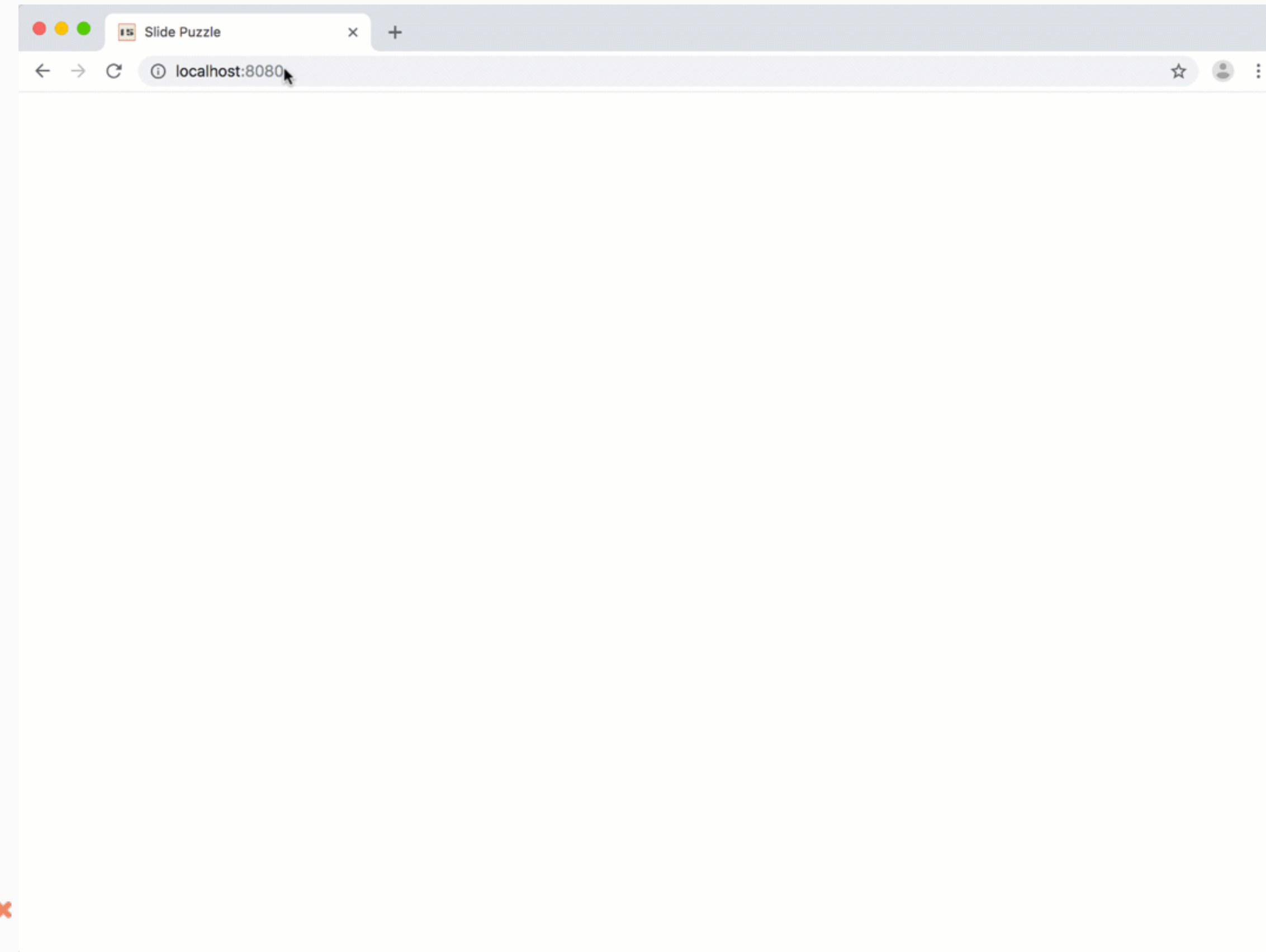
- Flutter enables you to **build beautiful apps**.
- Flutter is **fast**.
- Flutter is **productive**.
- Flutter is **Open**.

# Flutter Architecture





# Hummingbird



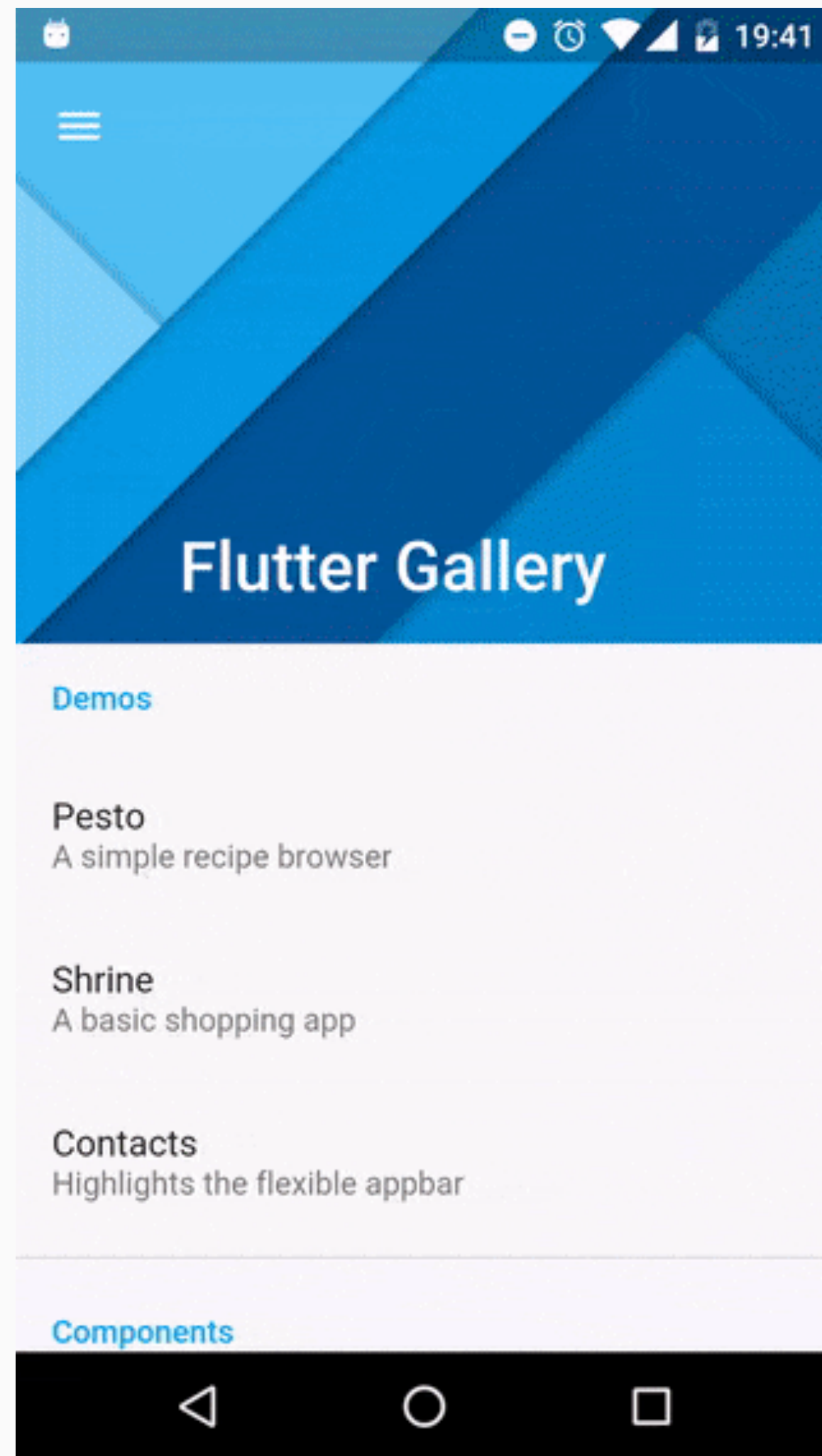
@itrjwyss

 Oracle  
Groundbreaker  
Ambassador

# Flutter provides reactive-style views

- Thanks to Dart doesn't use JavaScript as bridge.
- Dart is compiled “ahead of time” (AOT) into native.
- Compiling to native code also improves app startup times.

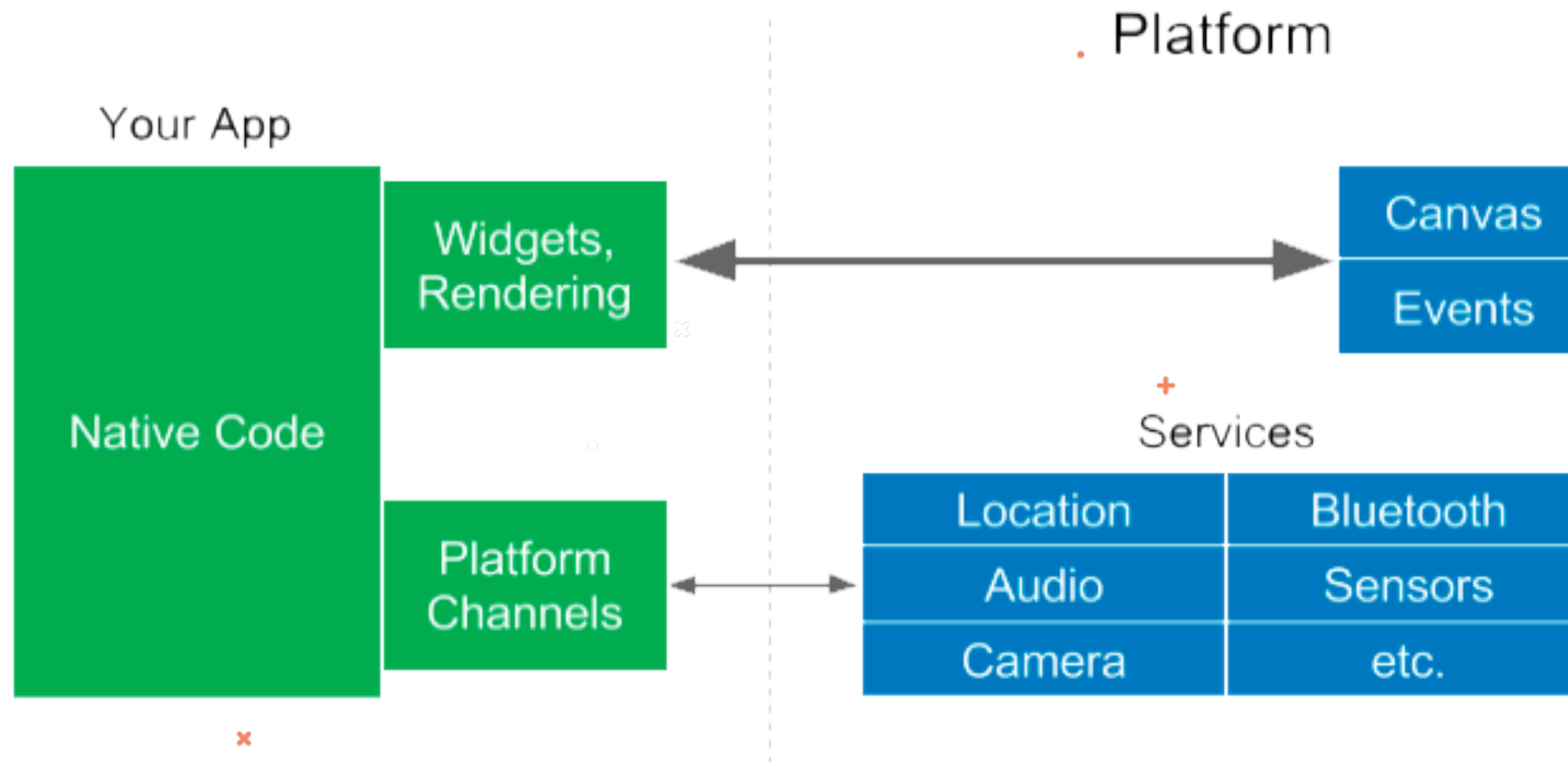
# Flutter Widget



- The look and feel of widgets is paramount.
- They must perform fast.
- They should be extensible and customizable.

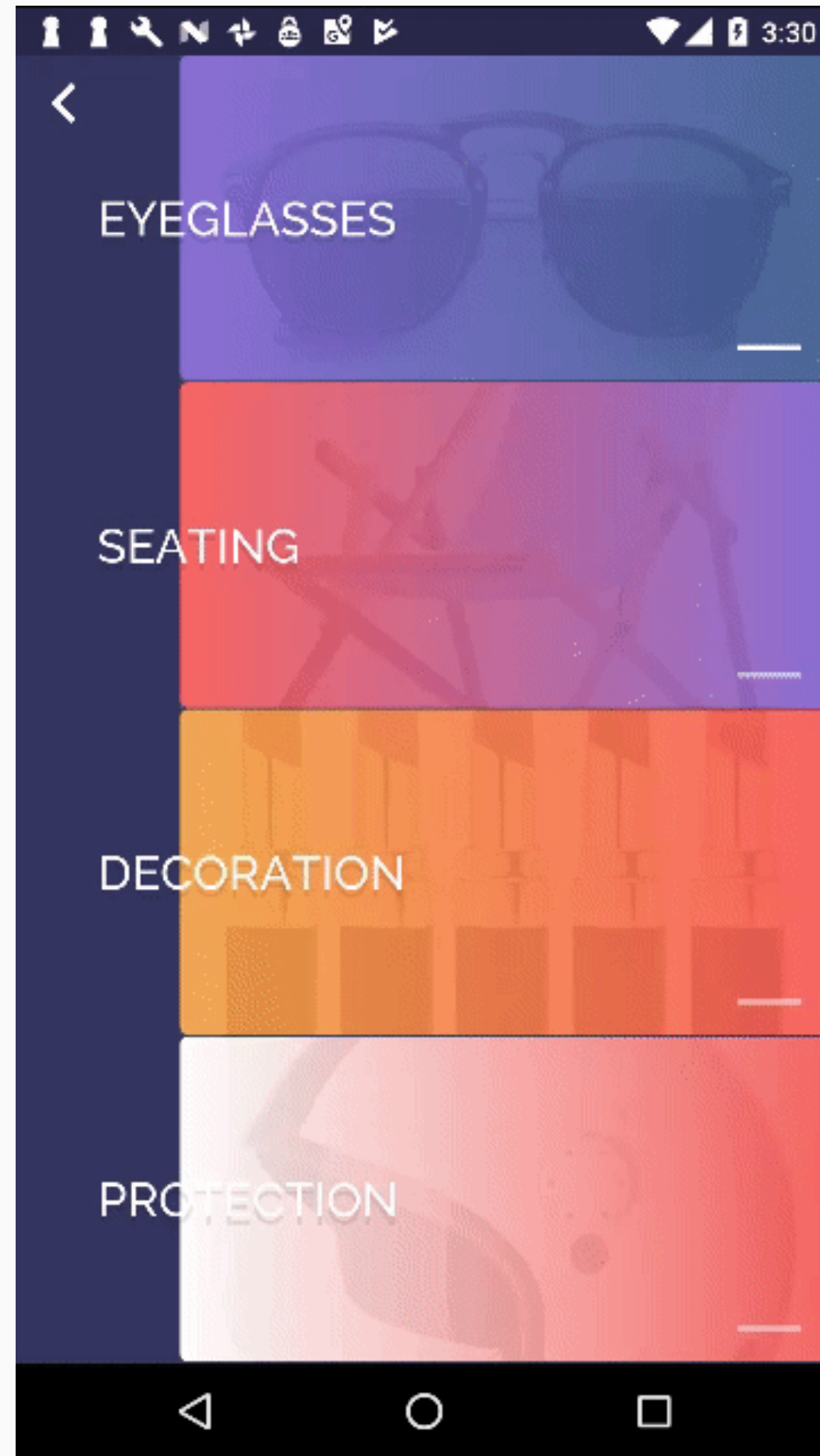


# Flutter Widget



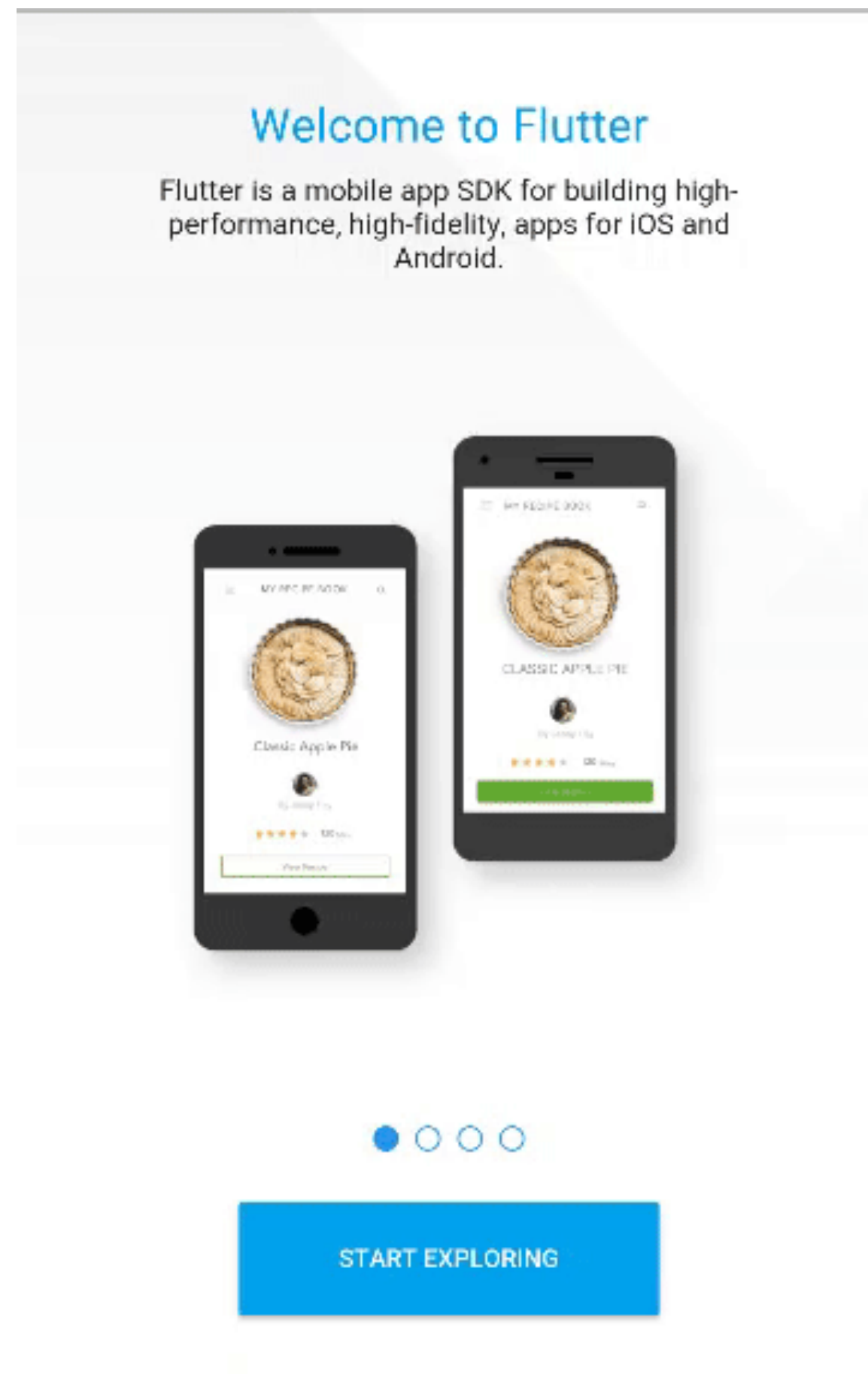


# Flutter Layout



- Constraints for determines the size and positions of widgets.
- Will be defined by rules, more simple than css.
- Google experimented with Chrome browser.

# Flutter Layout



## Layout could be simplified significantly:

- Each widget would specify its own simple layout model.
- Layout can be optimized heavily.
- Almost everything is a widget.

# Flutter Layoung

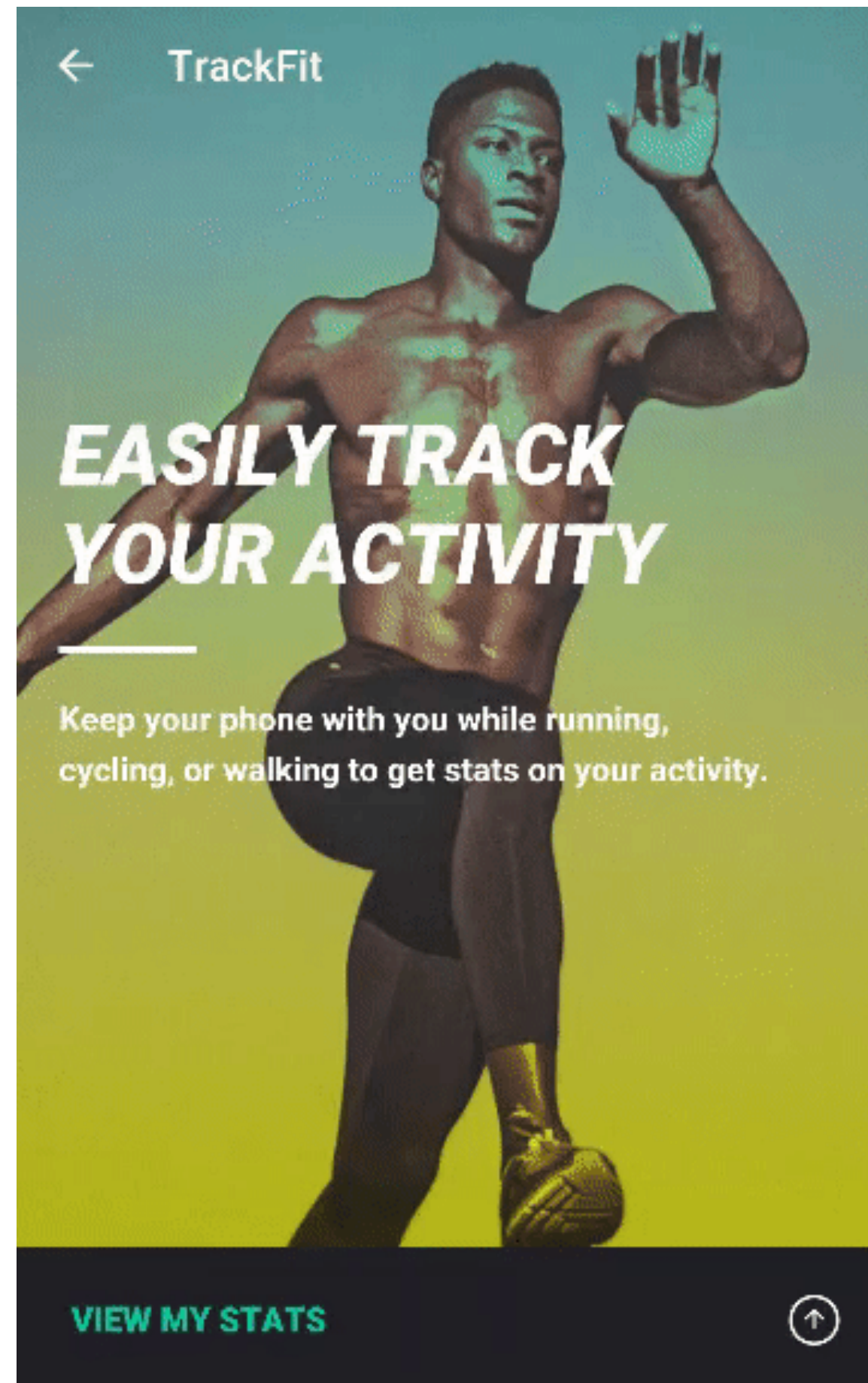
```
new Center(  
  child: new Column(  
    children: [  
      new Text('Hello, World!'),  
      new Icon(Icons.star, color: Colors.green)  
    ],  
  ),  
)
```

Hello, World!



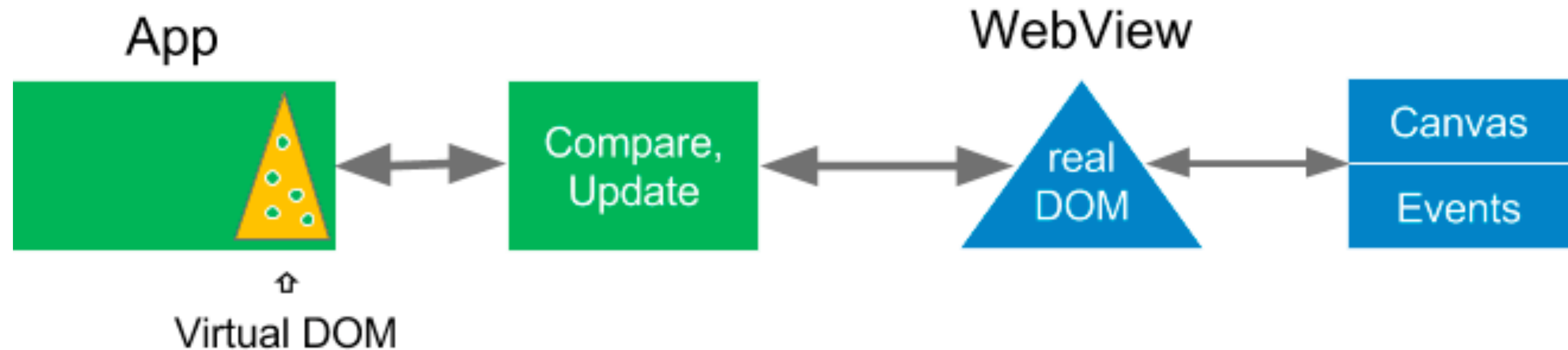


# Flutter Layout

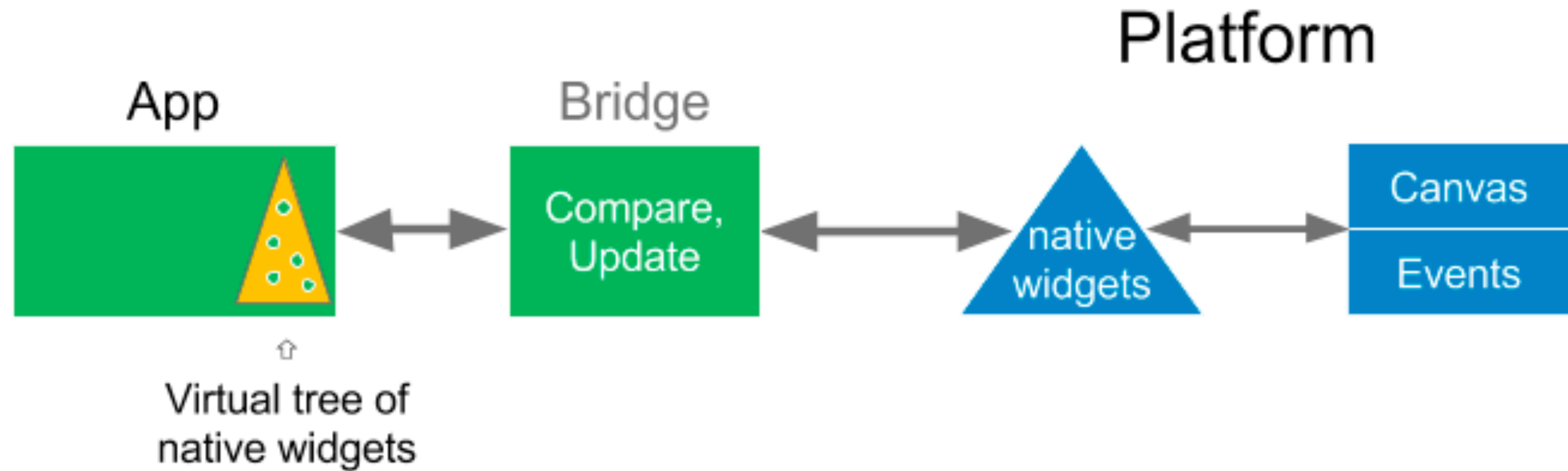


- Flutter includes quite a few widgets for doing layout.
- Widgets like columns, rows, grids, lists, etc.
- *Silver Layout Model* for scrolling.
- Custom Designs thanks to Widgets.

# Reactive Views

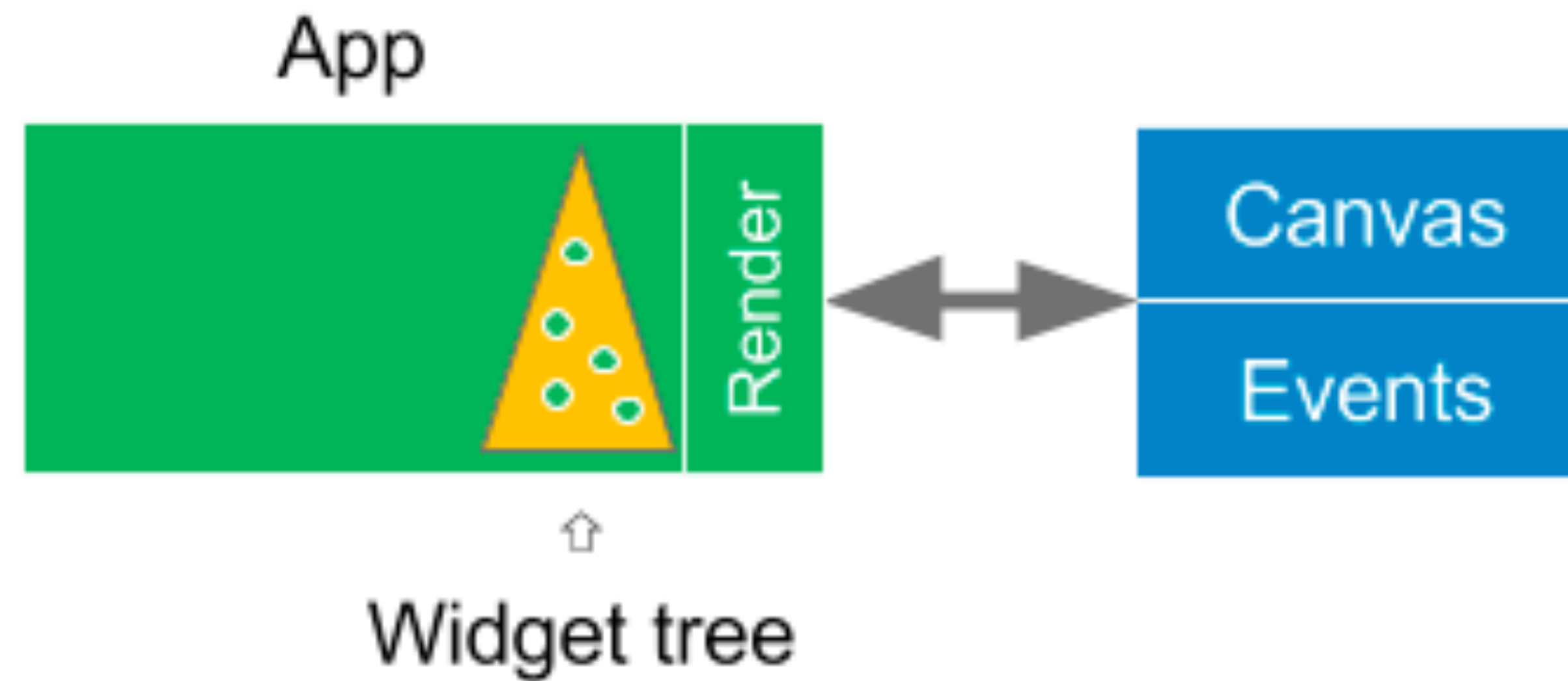


# Reactive Views

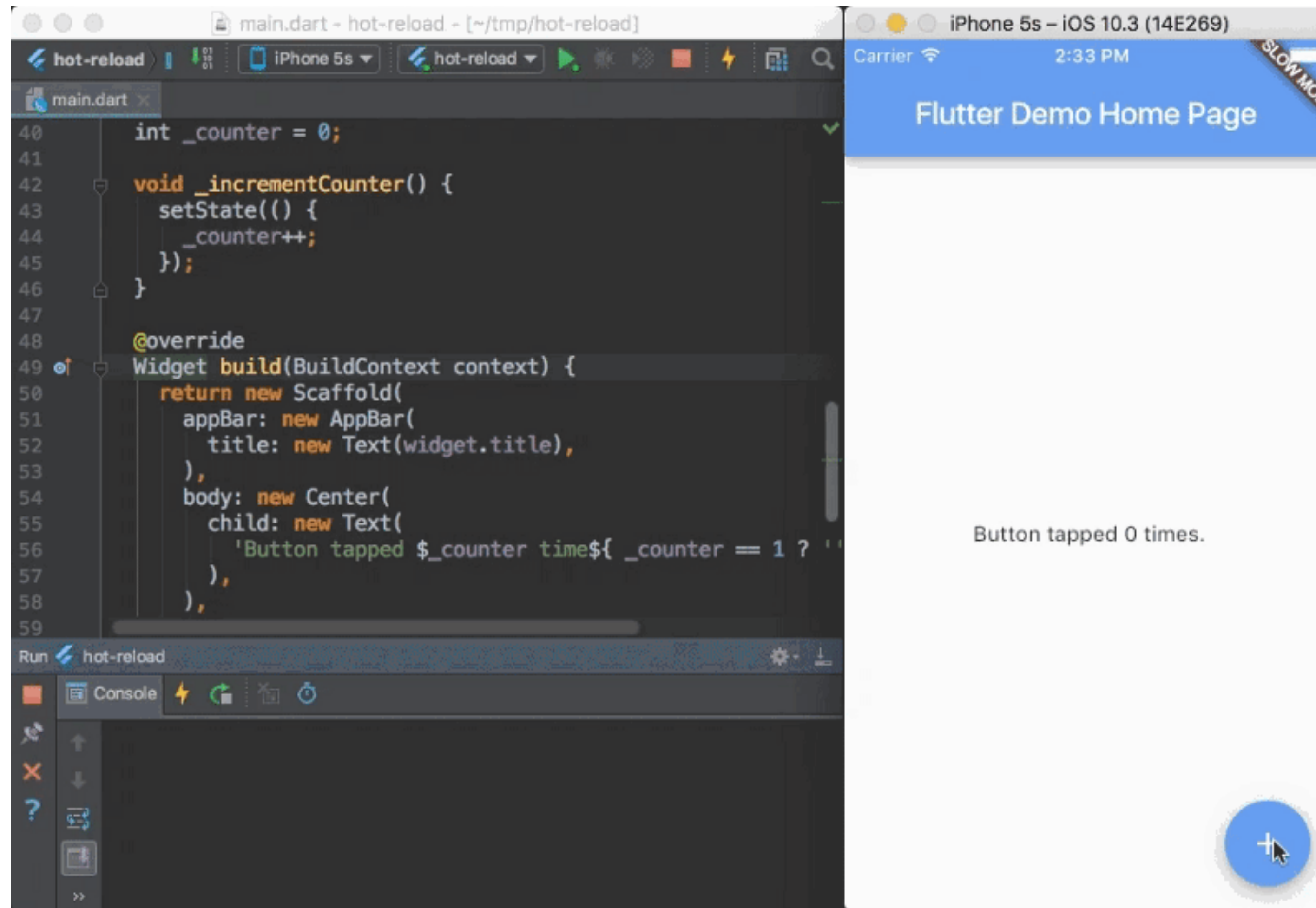




# Reactive Views in Flutter



# Hot Reload



@itrjwyss



<https://github.com/devsplus502/>

<https://www.facebook.com/DevsPlus502>

**@devsplus502**

**@itrjwyss**



**Oracle  
Groundbreaker  
Ambassador.**