

**Yandex**



# CPMDWithF Getting Started

Sergey Koltsov, Yandex.Pro Team Lead

# **WAKE UP!**



# **CPMDWithF**



# **MAKE UP!**

# Yandex.Pro



Segey



Dmitry



Gennady



Alexander



Alexander



Bogdan

# ~~Yandex.Pro~~ Your teachers



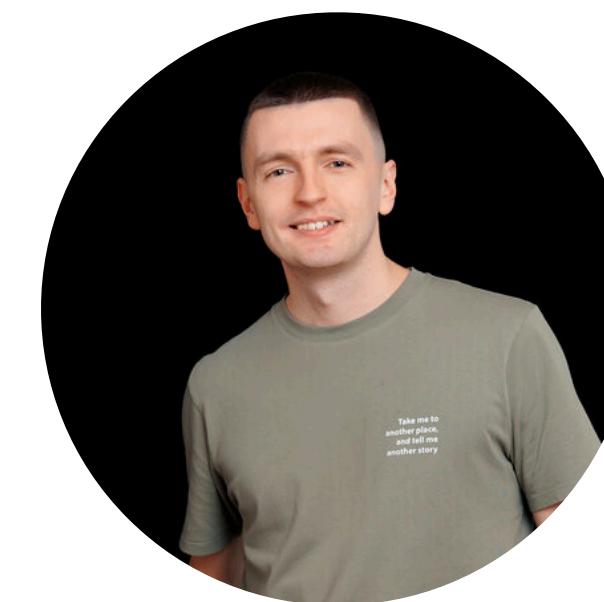
Segey



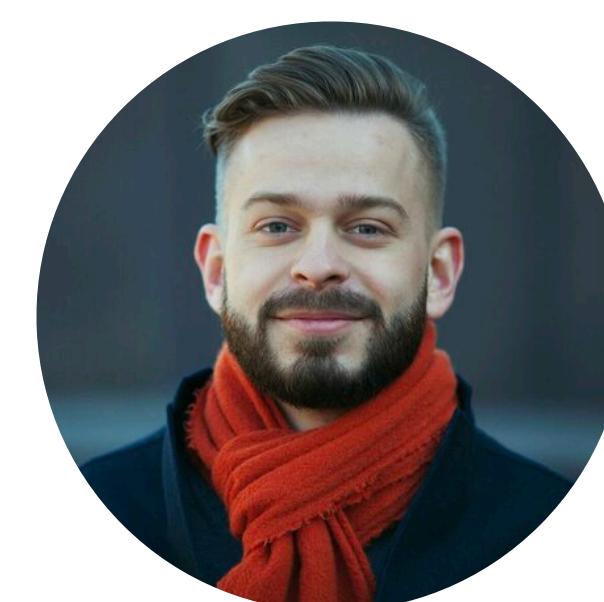
Dmitry



Gennady



Alexander



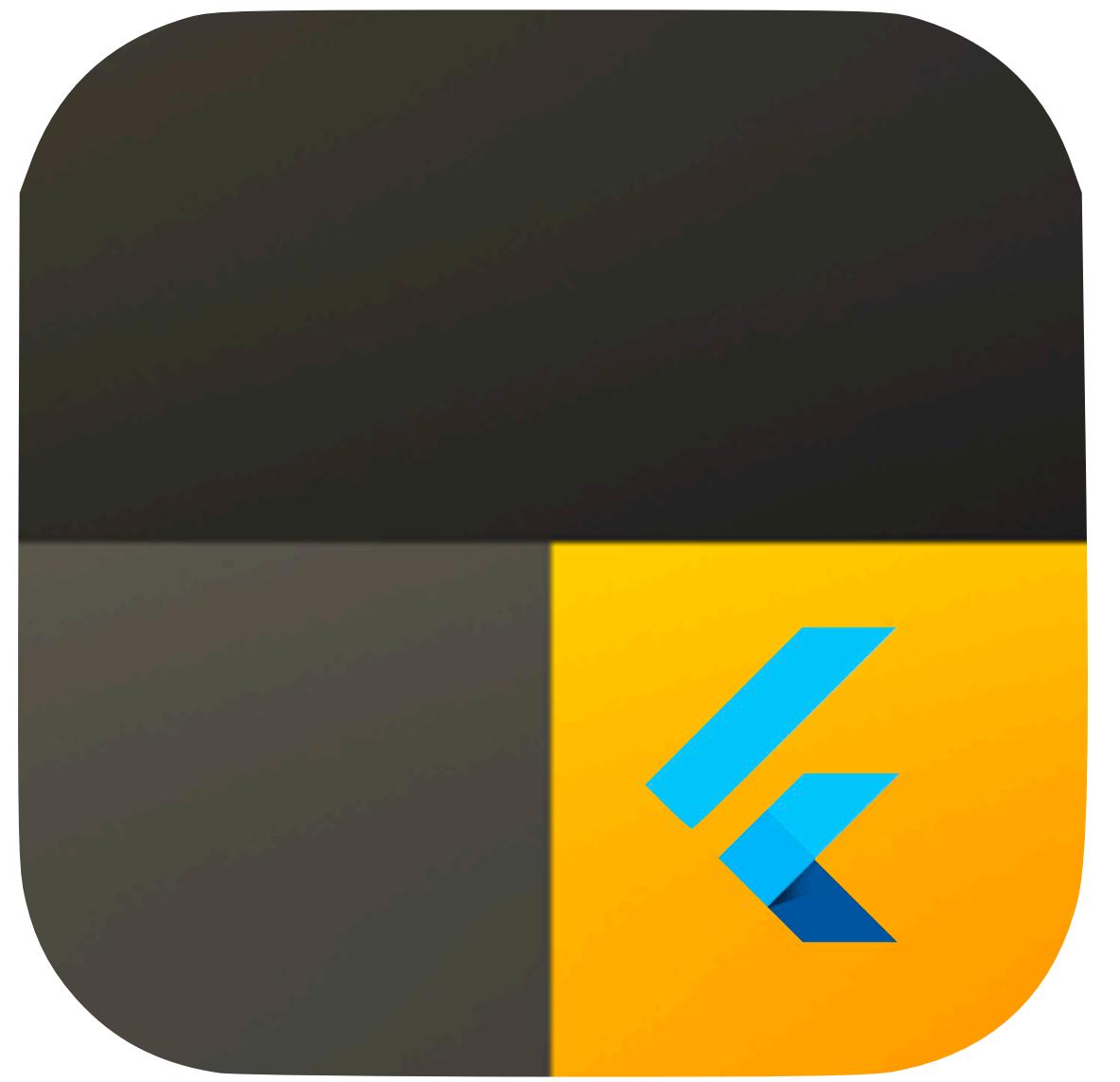
Alexander



Bogdan



**Yandex.Pro**



**Yandex.Pro**

# **The course**

# The course

Lectures

Quizes

Assignment (only one)

Group project

# Course structure

**Section 1:** 5 lectures, February 4-5

Quiz 1, Assignment 1

**Section 2:** 4 lectures, February 25-26

Quiz 2

**Section 3:** 4 lectures, March 25-26

Quiz 3, Mid-term project checkpoint

**Section 4:** 3 lectures, April 22

Quiz 4

**Section 5:** 2 lectures, 2 project defences, May 13-14

Final Quiz, Final project checkpoint

# Course evaluation

**A:** 85-100

**B:** 70-84

**C:** 55-69

**F:** 0-54

# Course evaluation

Quiz 1 (5%)

Penalty for delay: -50% of score

Assignment 1 (10%)

Retake threshold: 40%

Quiz 2 (5%)

Retake: +20% max

Quiz 3 (5%)

Midterm Project Checkpoint (20%)

## Bonuses

Quiz 4 (5%)

Assignment Extra (+2%)

Final Quiz (20%)

Project Extra (+2%)

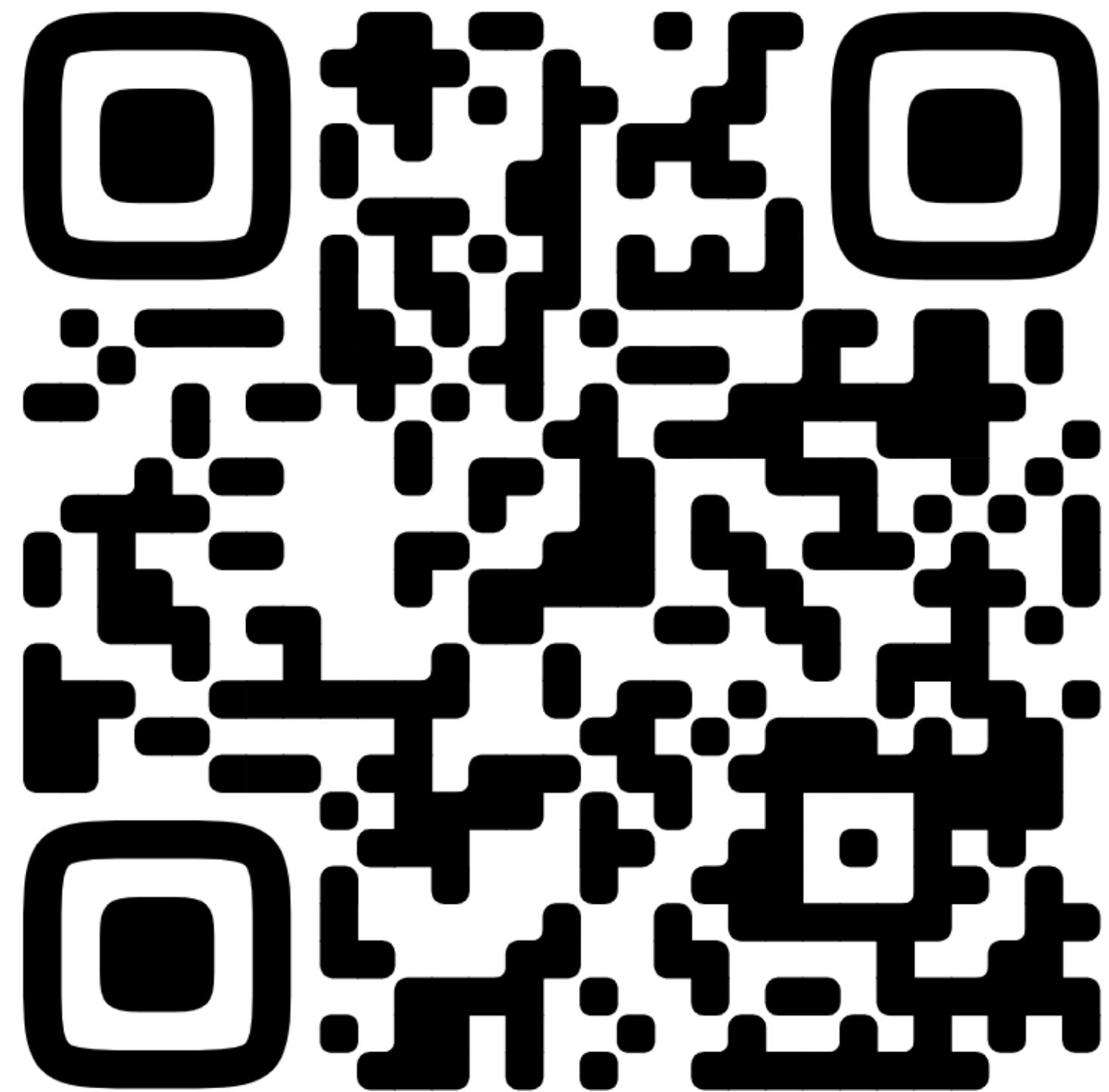
Final Project Checkpoint (30%)

Lecture attendance (+3%)

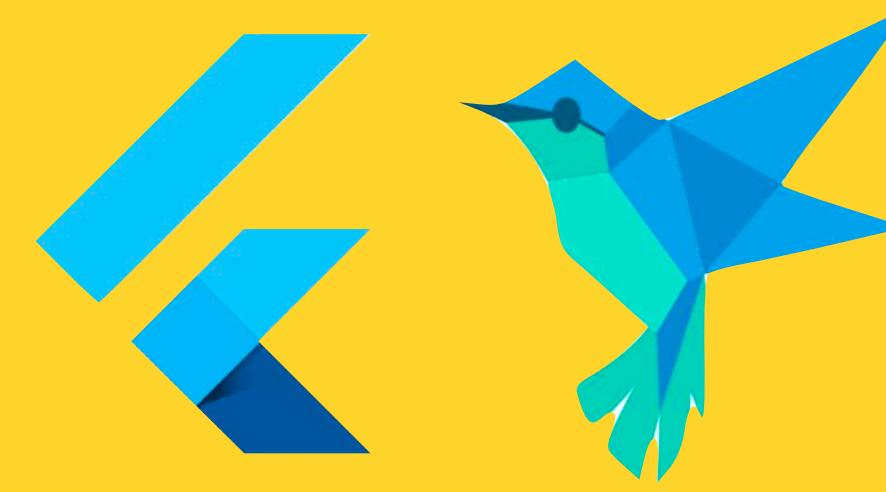
Extra quiz (+3%) (only for F candidates)

\*But not more than 5% in total

# Telegram Channel



[https://bit.ly/  
cpmdf2022s](https://bit.ly/cpmdf2022s)



# Dart and Flutter

# Dart



| Open-source

| Multi-platform

| Well-known, C-like

Play online: <https://dartpad.dev>



| Open-source

| Multi-platform

| Declarative pixel-perfect UI

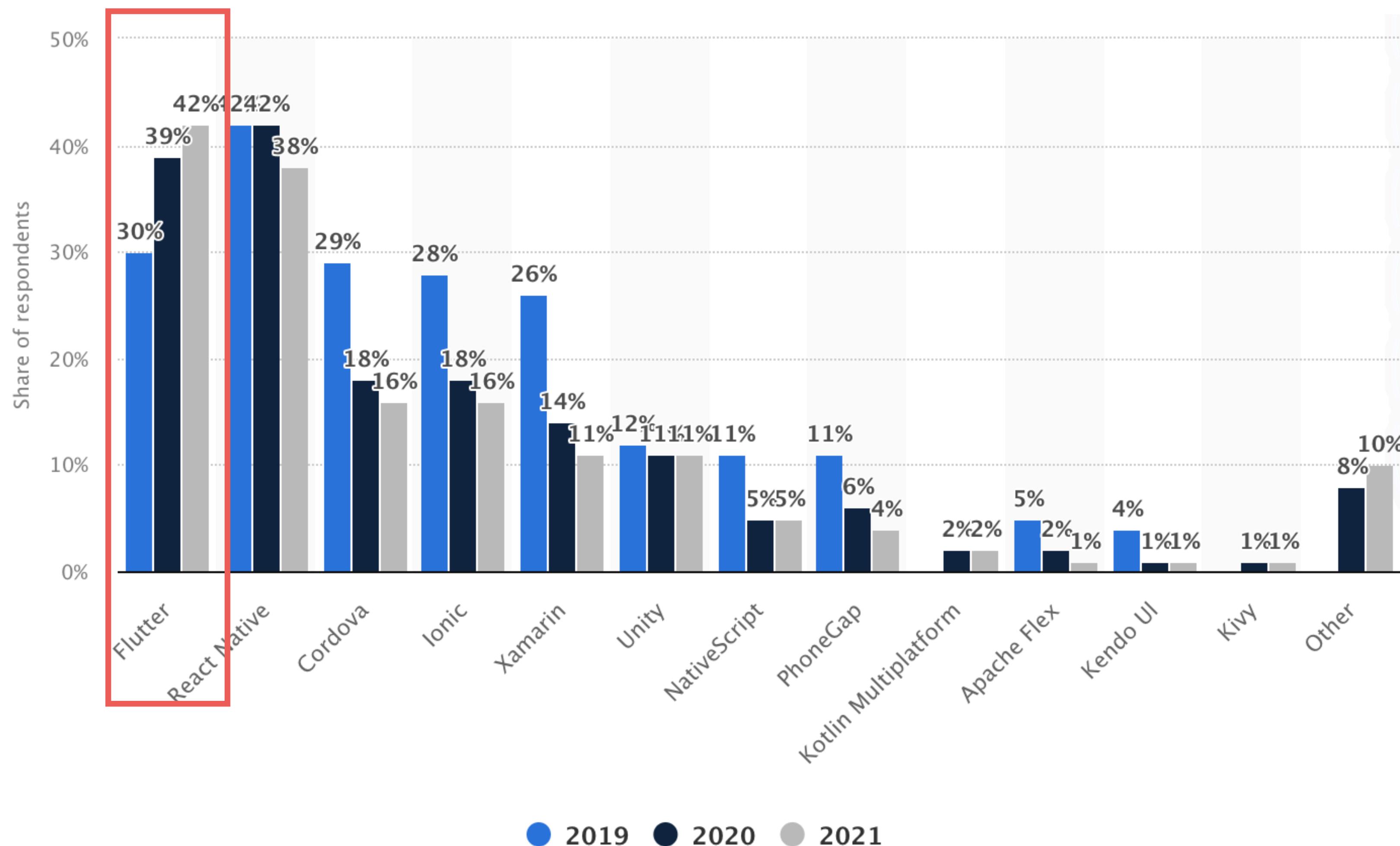
| Fantastic documentation

A Brief History of Flutter

**What are the perspectives?**

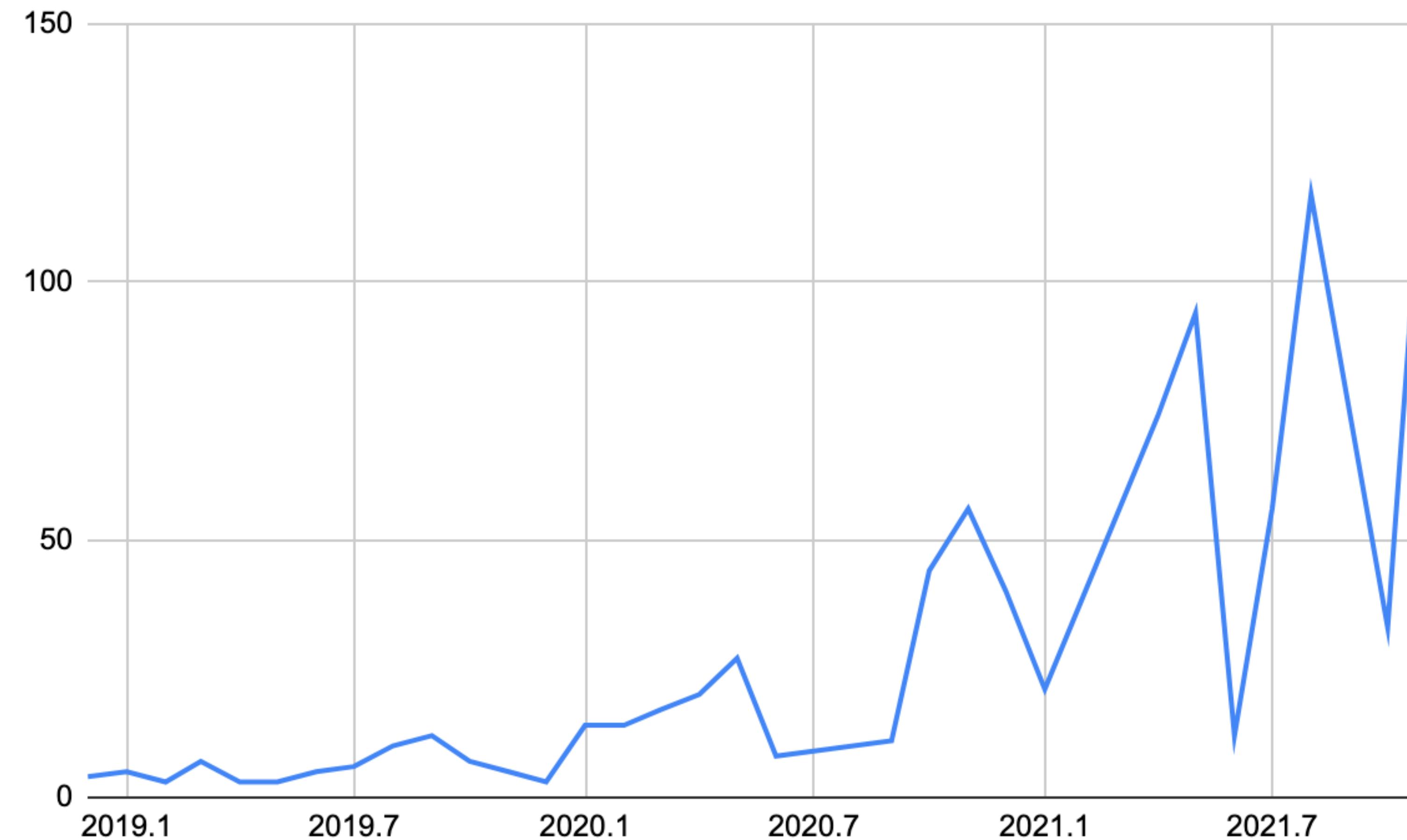
# What are the perspectives?

Cross-platform mobile frameworks used by software developers



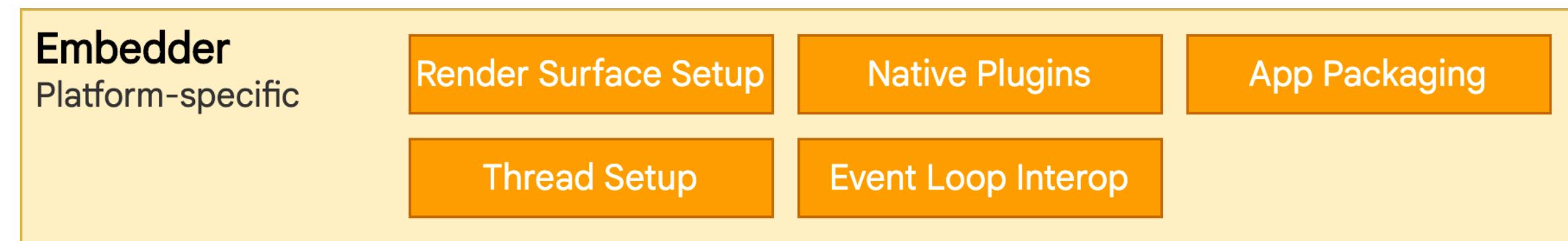
# What are the perspectives?

Number of job offers per month in Telegram channel “Dart Jobs”

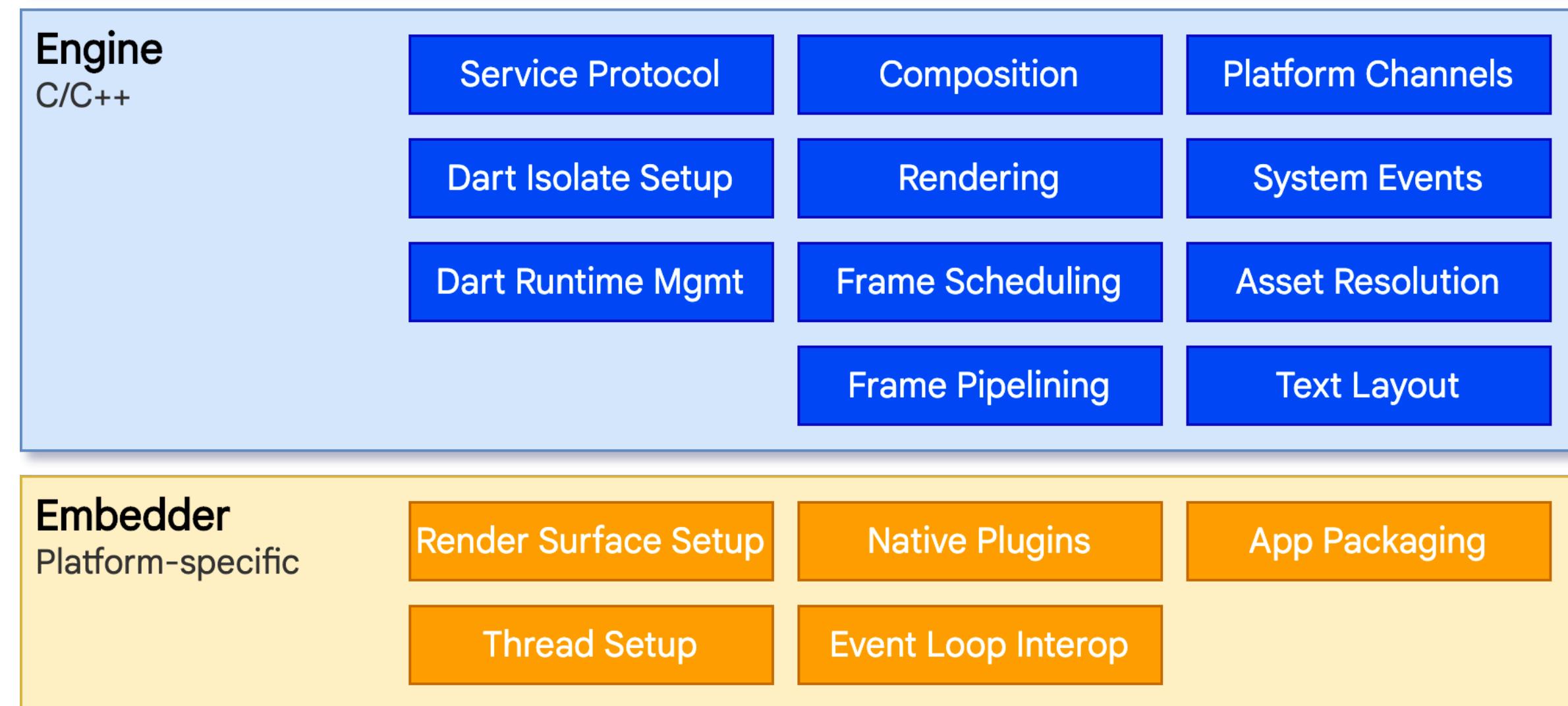


# **Flutter Architecture**

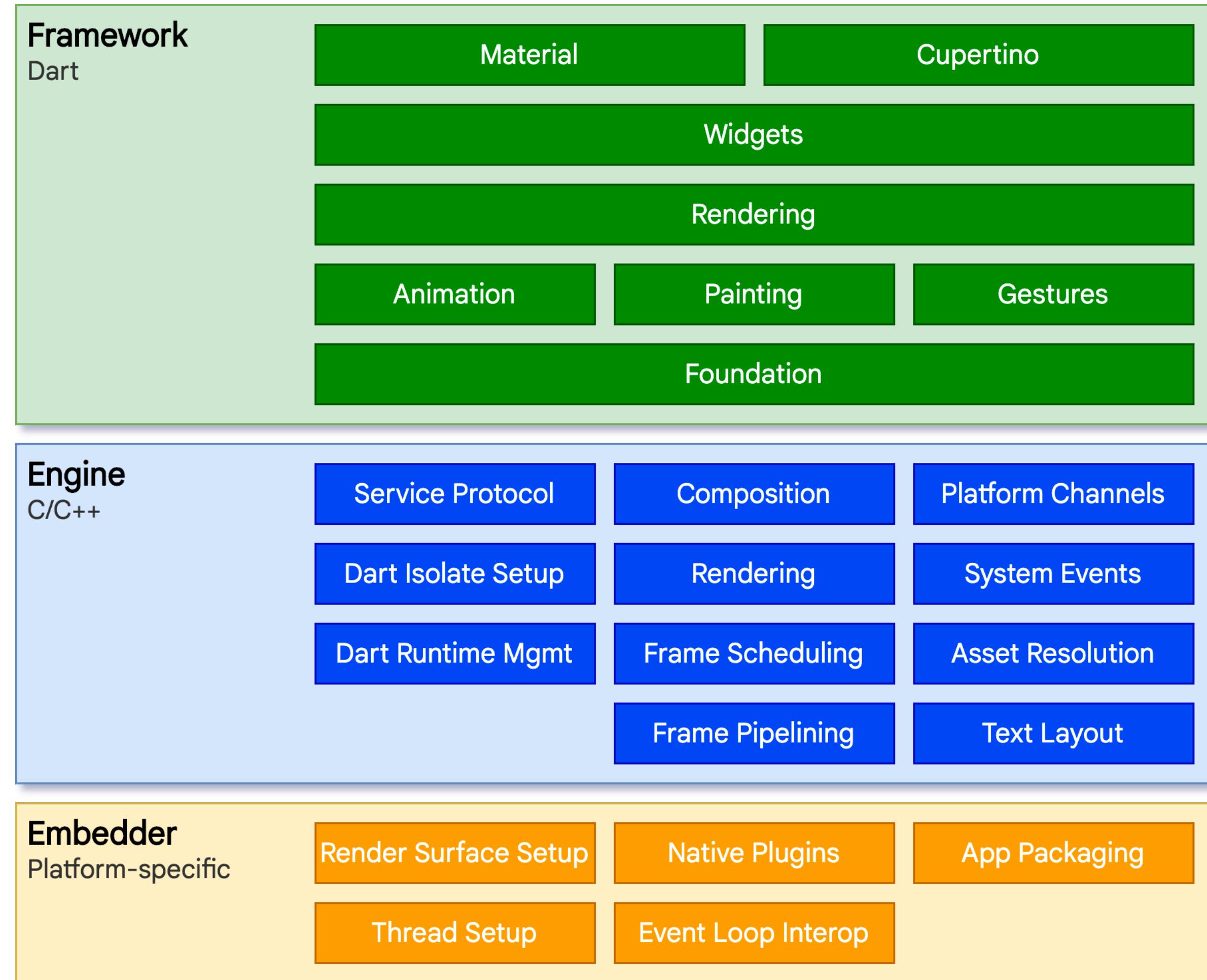
# Dart Concepts



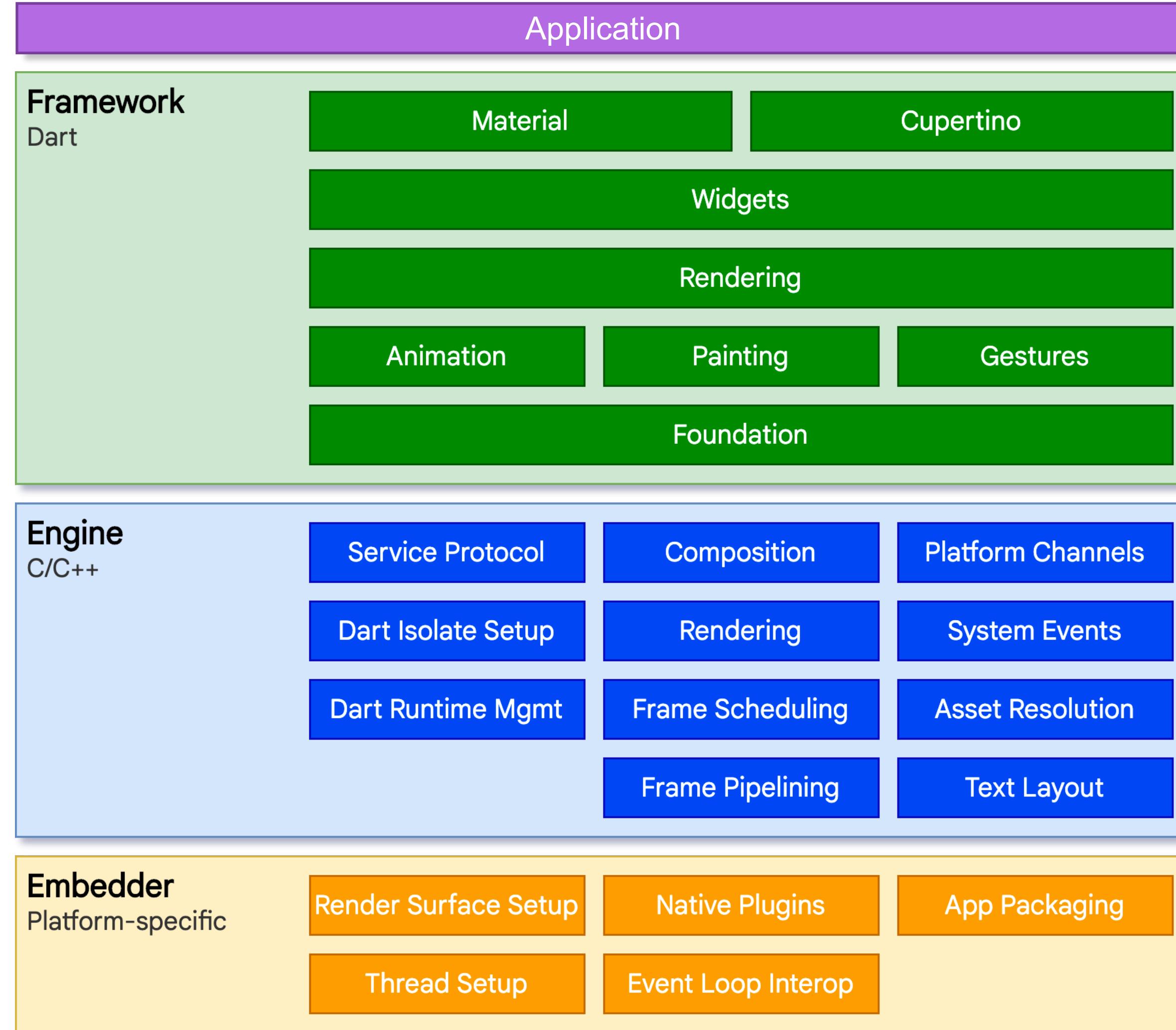
# Dart Concepts



# Dart Concepts



# Dart Concepts



# **Flutter Project Structure**

# IDE

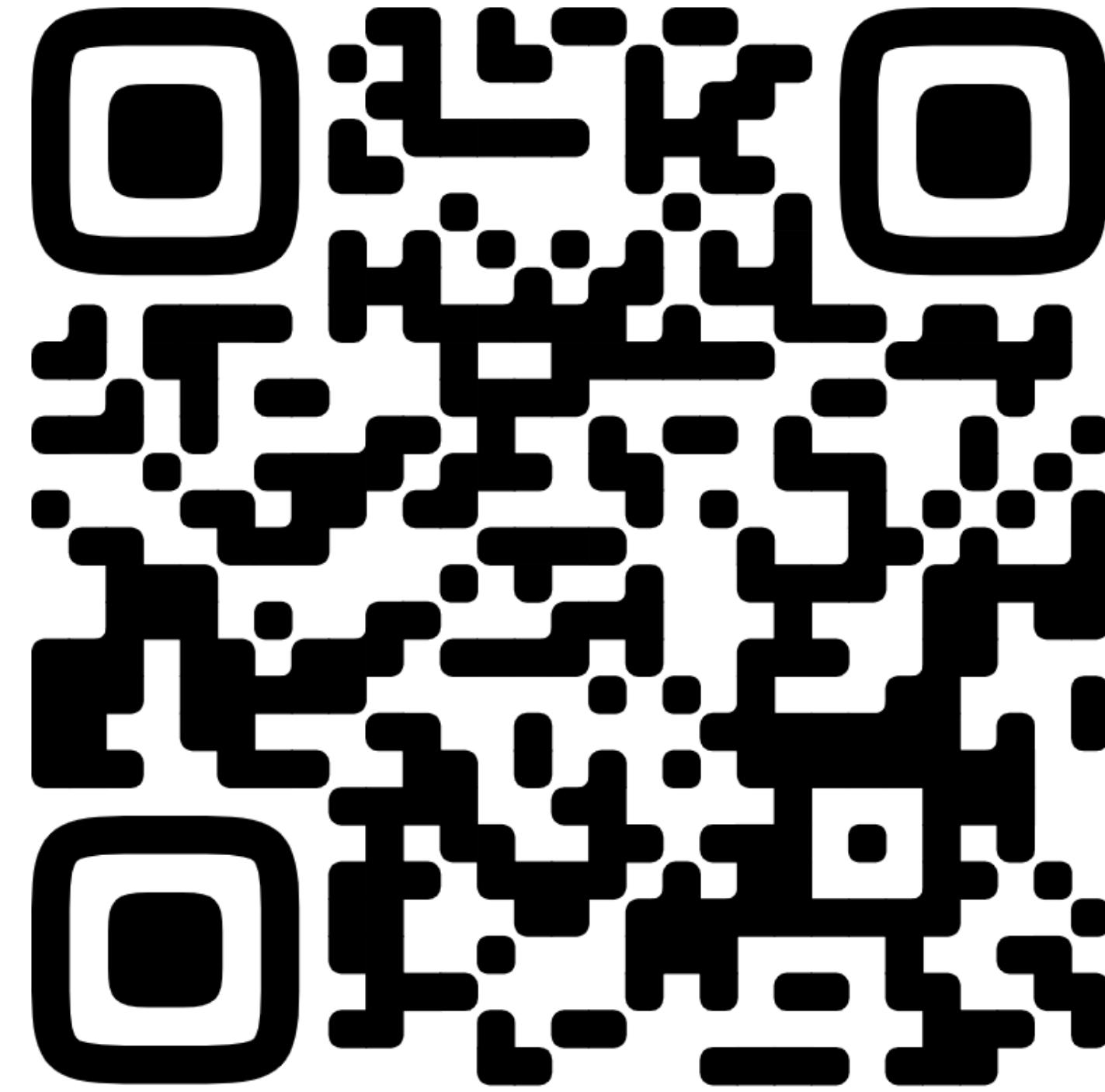
| **Android Studio**

| **IntelliJ Idea**

| **Visual Studio Code**

| **Plugins for Dart and Flutter**

# Project structure



[bit.ly/widget\\_examples](https://bit.ly/widget_examples)

# Project structure

- | **lib** — dart-source files
- | **android, ios, web, mac, windows, linux** — platform source files
- | **test** — unit and UI-tests
- | **pubspec.yaml** — project configuration
- | **analysis\_options.yaml** — static analysis rules
- | **void main()** — entry point of a dart program



# Thank you for attention

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