Flutter: Getting Started

HELLO FLUTTER



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Course Outline

Hello Flutter

State and Interactivity

Gestures and Animations

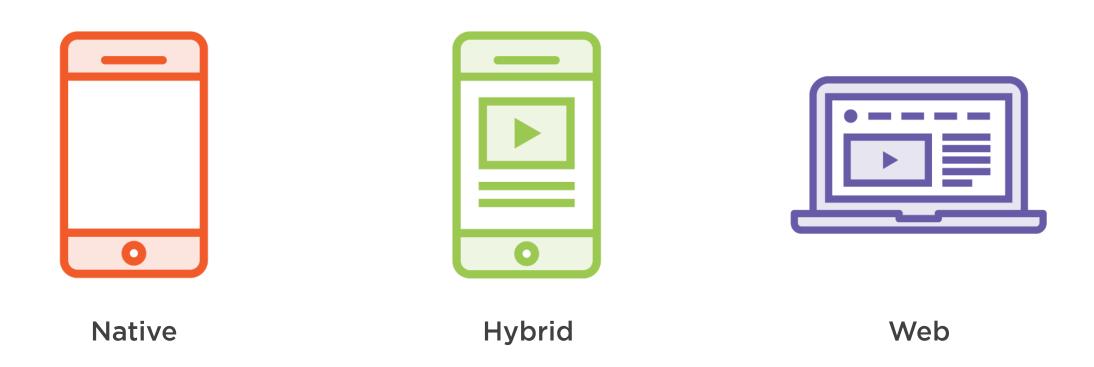
Widgets

Data

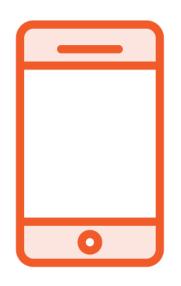
Build Great Apps with Flutter!



Building Mobile Apps



Native



Android Studio

XCode

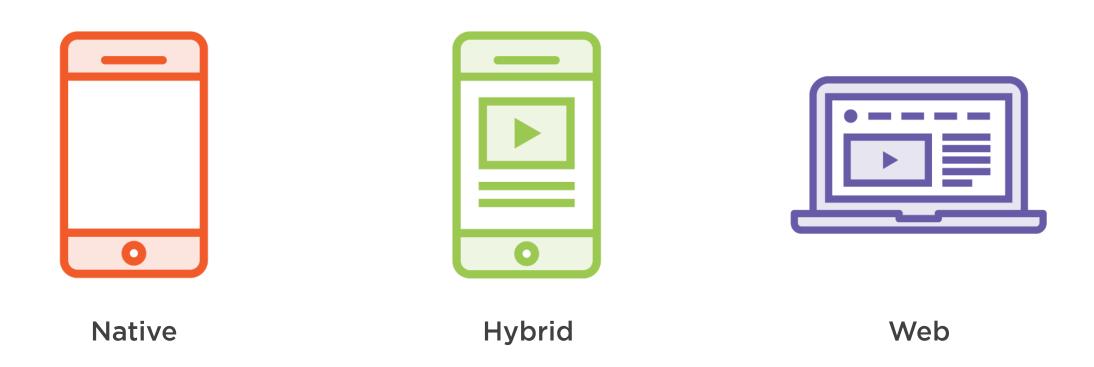
Reliable

Fast

Two Apps



Building Mobile Apps



Web



HTML

CSS

JavaScript

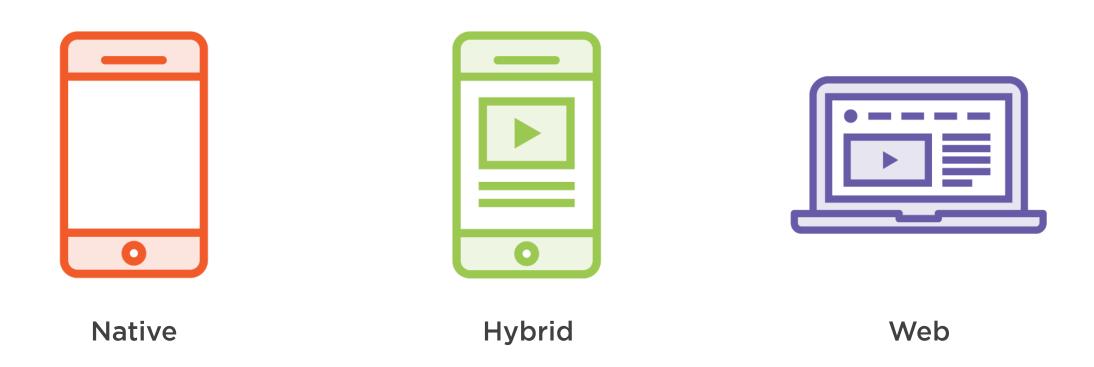
Easy

Universal

Site Features



Building Mobile Apps



Hybrid



Xamarin

Cordova / Ionic

Reactive Native

. . .

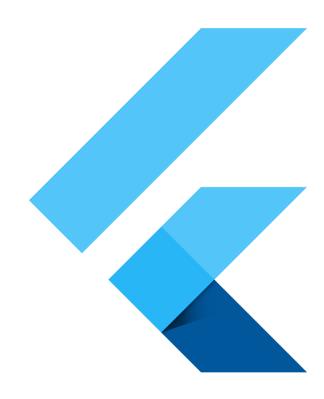
One Code Base

Real Apps

Performance

Integration





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Compiles to native

- Just in Time Compilation
- Ahead of Time Compilation

Fast Development

Great User Experience

Single Code Base for Android and IOS

No Bridges



Flutter, a Young Framework

May 2017

Google I/O Alpha Kit May 2018

Google I/O

Beta 3 - Production Ready



Version 2
Strongly Typed
Object Oriented
Simple
Familiar





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Prerequisites



Object Oriented Programming Experience



Windows, Mac or Linux



Android or IOS Device / Emulator



Flutter Supported Editors Visual Studio Code

Android Studio

IntelliJ IDEA

... or any other text editor



Emulator & Simulator

Android Emulator with Android Studio:

http://bit.ly/AndEmu

IOS Simulator with XCode (Mac Only):

http://bit.ly/XcodSim



Visual Studio Code

Visual Studio Code Download Page:

http://bit.ly/VsCode



Project Repo

The course project repository on Github:

https://github.com/simoales/flutter



Demo



Hello Flutter!



In Flutter (almost) everything is a Widget



```
void main () {
 runApp(
   new Center(
     child:new Text(
       "Hello, world",
      textDirection:
      TextDirection.ltr,
```

- main: Entry Point of a Flutter App
- runApp inflates a widget and attaches it to the screen

Center and Text are Widgets

■ Remember: when you use a Text you should specify a TextDirection

Fat Arrow

```
void main() => runApp(new HelloWorldApp());
```

```
void main()
 runApp(
    new HelloWorldApp()
 );
```



Recap

MaterialApp Center AppBar Material Scaffold Text



Summary



Why Flutter

Flutter Apps are Widgets

Main()

RunApp()

MaterialApp()

UI & Styles

Dart

