

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



Hybrid



Web



Native



Android
Studio

XCode

Reliable

Fast

Two Apps



Building Mobile Apps



Native



Hybrid



Web



Web



HTML

CSS

JavaScript

Easy

Universal

Site Features



Building Mobile Apps



Native



Hybrid



Web



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



Dart

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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

