

Flutter


3 months work

- Flutter Tutorial
- Create CRUD App
- Consider to rebuild widgets

Flutter Tutorial

Install Flutter

<https://flutter.dev/docs/get-started/install>



DocsShowcaseCommunity

Black Lives Matter.

Get started

1. Install

2. Set up an editor

3. Test drive

4. Write your first app

5. Learn more

From another platform?

Flutter for Android devs

Flutter for iOS devs

Flutter for React Native devs

Flutter for web devs

Flutter for Xamarin.Forms devs

Introduction to declarative UI

Dart language overview

Building a web app

Samples & tutorials

Development

Set up an editor

Install

Docs > Get started > Install

Select the operating system on which you are installing Flutter:

Note: Are you on Chrome OS?

If so, see the official [Chrome OS Flutter installation docs!](#)

Windows

macOS


Linux

Important: If you're in China, first read [Using Flutter in China.](#)

Set up an editor

Setup Editor

<https://flutter.dev/docs/get-started/editor>



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User interface

Data & backend

Accessibility & internationalization

Install

Test drive

Docs > Get started > Set up an editor

Set up an editor

You can build apps with Flutter using any text editor combined with our command-line tools. However, we recommend using one of our editor plugins for an even better experience. These plugins provide you with code completion, syntax highlighting, widget editing assists, run & debug support, and more.

Follow the steps below to add an editor plugin for Android Studio, IntelliJ, VS Code, or Emacs. If you want to use a different editor, that's OK, skip ahead to the next step: [Test drive](#).

Android Studio and IntelliJ

Visual Studio Code

Emacs

Install Android Studio

Android Studio offers a complete, integrated IDE experience for Flutter.

Android Studio, version 3.0 or later


Alternatively, you can also use IntelliJ:

IntelliJ IDEA Community, version 2017.1 or later

IntelliJ IDEA Ultimate, version 2017.1 or later

Write Sample Code

<https://flutter.dev/docs/get-started/codelab>



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Test drive

Learn more

Write your first Flutter app, part 1

Docs > Get started > Write your first app

Tip

This codelab walks you through writing your first Flutter app on mobile. You might prefer to try [writing your first Flutter app on the web](#). **Note that if you have enabled web, the completed app just works on all of these devices!**

This is a guide to creating your first Flutter app. If you are familiar with object-oriented code and basic programming concepts such as variables, loops, and conditionals, you can complete this tutorial. You don't need previous experience with Dart, mobile, or web programming.

This guide is part 1 of a two-part codelab. You can find [part 2](#) on the [Google Developers Codelabs](#), as well as [part 1](#).

Startup Name Generator

DutchWhole

MassTent

ScriptGrade

SilkStrength

GreenMass

BreakJet

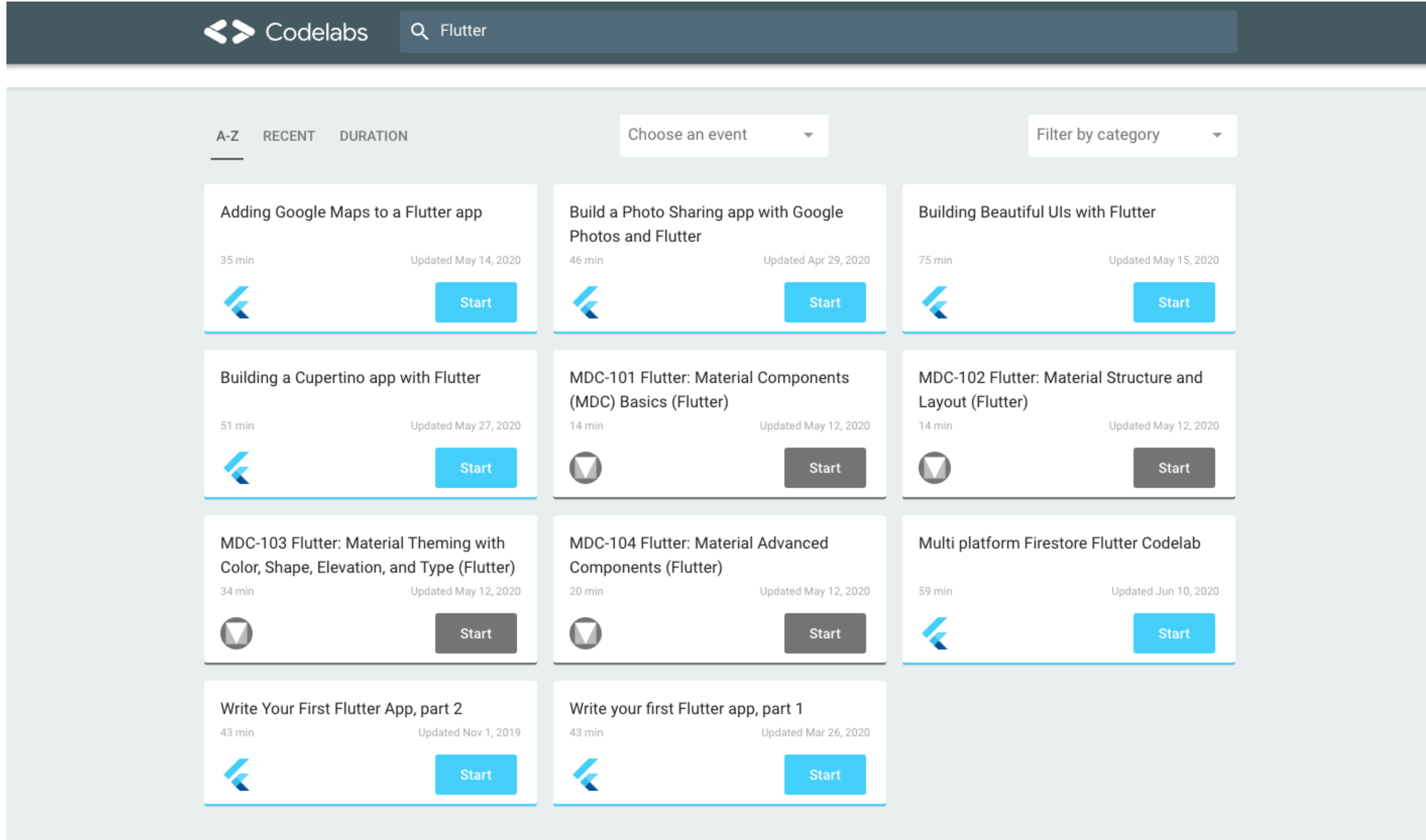
ThighPalm

CoachDepth

LeftCrack

Write Sample Code

<https://codelabs.developers.google.com>



The screenshot displays the Google Codelabs website interface. At the top, there is a dark header with the Codelabs logo and a search bar containing the text "Flutter". Below the header, the main content area features a grid of lab cards. Each card includes a title, duration, update date, a Flutter logo or icon, and a "Start" button. The labs are organized into rows and columns, with some cards having a blue border and others a grey border. The "Start" buttons are blue for labs with a blue border and grey for labs with a grey border.

Header: Codelabs | Search: Flutter

Filters: A-Z, RECENT, DURATION | Choose an event | Filter by category

Title	Duration	Updated	Icon	Start Button
Adding Google Maps to a Flutter app	35 min	Updated May 14, 2020	Flutter logo	Start
Build a Photo Sharing app with Google Photos and Flutter	46 min	Updated Apr 29, 2020	Flutter logo	Start
Building Beautiful UIs with Flutter	75 min	Updated May 15, 2020	Flutter logo	Start
Building a Cupertino app with Flutter	51 min	Updated May 27, 2020	Flutter logo	Start
MDC-101 Flutter: Material Components (MDC) Basics (Flutter)	14 min	Updated May 12, 2020	MDC icon	Start
MDC-102 Flutter: Material Structure and Layout (Flutter)	14 min	Updated May 12, 2020	MDC icon	Start
MDC-103 Flutter: Material Theming with Color, Shape, Elevation, and Type (Flutter)	34 min	Updated May 12, 2020	MDC icon	Start
MDC-104 Flutter: Material Advanced Components (Flutter)	20 min	Updated May 12, 2020	MDC icon	Start
Multi platform Firestore Flutter Codelab	59 min	Updated Jun 10, 2020	Flutter logo	Start
Write Your First Flutter App, part 2	43 min	Updated Nov 1, 2019	Flutter logo	Start
Write your first Flutter app, part 1	43 min	Updated Mar 26, 2020	Flutter logo	Start

Create CRUD App

Create CRUD App

- TODO App
 - Counter App
 - Diary App
- etc...

Local Database

[shared_preferences](#)

[sqlite](#)

[objectbox](#)

etc...

Cloud Database

[cloud_firestore](#)

[http request](#)

flutter => backend => DB

Let's install plugins!!

<https://pub.dev/>

Consider to rebuild widgets

Consider to rebuild widgets

Learn to spec of rebuild and how to get state.

Let's refactor your App by using “Provider + Notifier”

And please tell us good point of that.

- setState
- Provider + Notifier (StateNotifier)
- ~~BLoC (RxDart)~~

[Stateful Widget のパフォーマンスを考慮した正しい扱い方](#)

[\[Flutter\] package:provider の各プロバイダの詳細](#)

[StateNotifierを使ったFlutterのアプリ設計](#)

Rule

- Set milestones
- Use Github
- Solve by myself

Shohei

- Coating
- Check status with Github every day.
- Don't teach how to solve errors.

Good luck.