



# MOBILE APPLICATIONS

FLUTTER ICONS



## FLUTTER ICONS

- An icon is a graphic image representing an application or any specific entity containing meaning for the user. It can be selectable and non-selectable. For example, the company's logo is non-selectable. Sometimes it also contains a hyperlink to go to another page. It also acts as a sign in place of a detailed explanation of the actual entity.
- Flutter provides an `Icon Widget` to create icons in our applications. We can create icons in Flutter, either using inbuilt icons or with the custom icons. Flutter provides the list of all icons in the `Icons` class. In this article, we are going to learn how to use Flutter icons in the application.

# ICON WIDGET PROPERTIES

## Icon Widget Properties

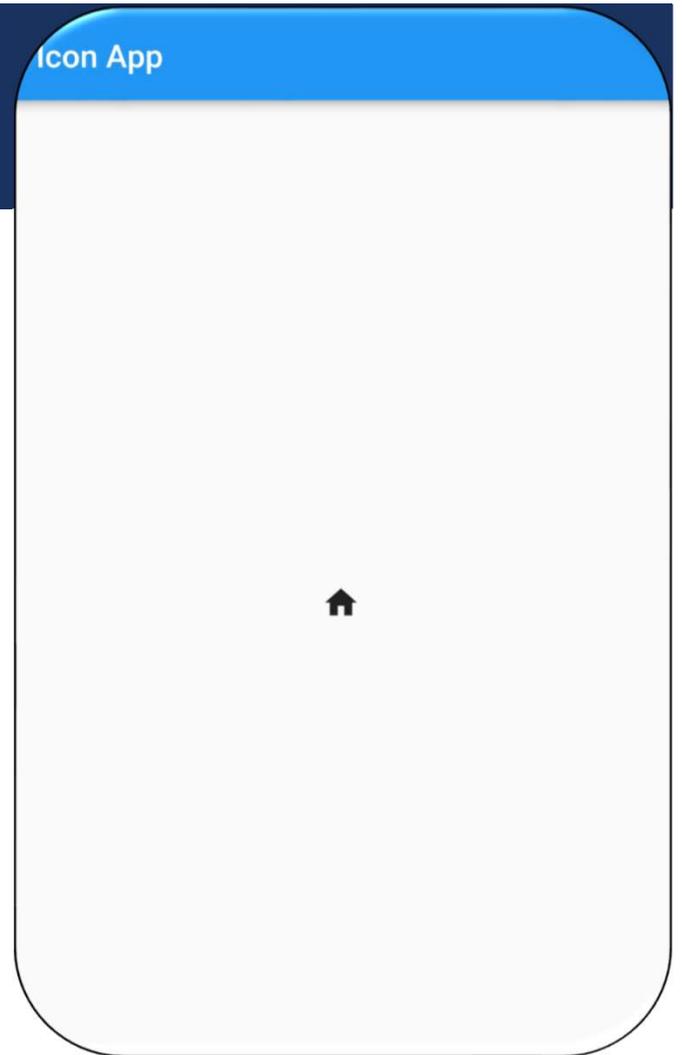
Flutter icons widget has different properties for customizing the icons.

Property	Descriptions
icon	It is used to specify the icon name to display in the application. Generally, Flutter uses material design icons that are symbols for common actions and items.
color	It is used to specify the color of the icon.
size	It is used to specify the size of the icon in pixels. Usually, icons have equal height and width.
textDirection	It is used to specify to which direction the icon will be rendered

# FLUTTER ICONS

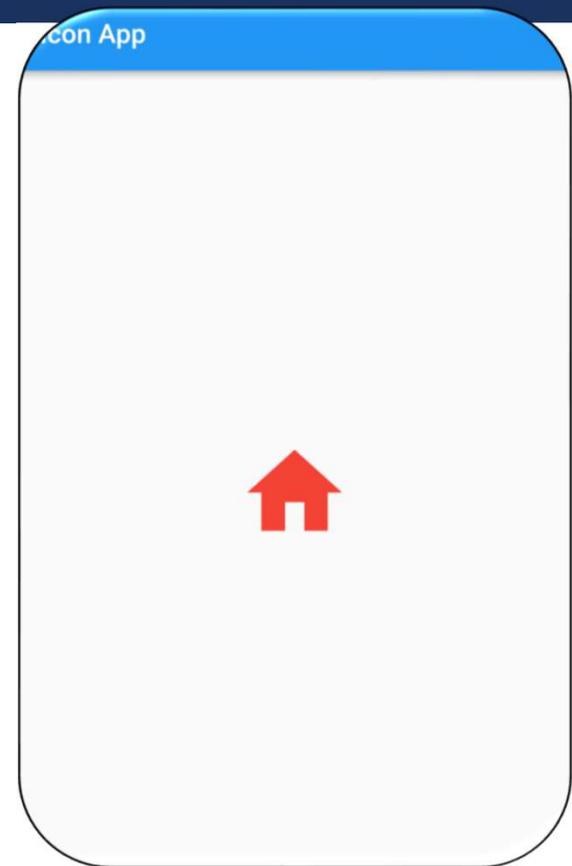
- In this example, we will see the basic icon widget that has default values.

```
Scaffold(  
  appBar: AppBar(  
    title: Text("Icon App"),  
  ),  
  body: Center(  
    child: Icon(Icons.home),  
  ),  
);
```



# FLUTTER ICONS

```
body: Center(  
  child: Icon(  
    Icons.home,  
    size: 85,  
    color: Colors.red,  
  ),  
)
```



# HOW TO INSTALL PACKAGES IN FLUTTER

- first let's understand briefly what are Flutter Packages.
- Flutter packages are open source libraries of code written and maintained by someone else, which we can incorporate in our project to maximize our efficiency and minimize our efforts. The whole process of installing a Flutter package can be broken down into 3 main steps.

**1: Finding the Package**

**2: Installing the Package**

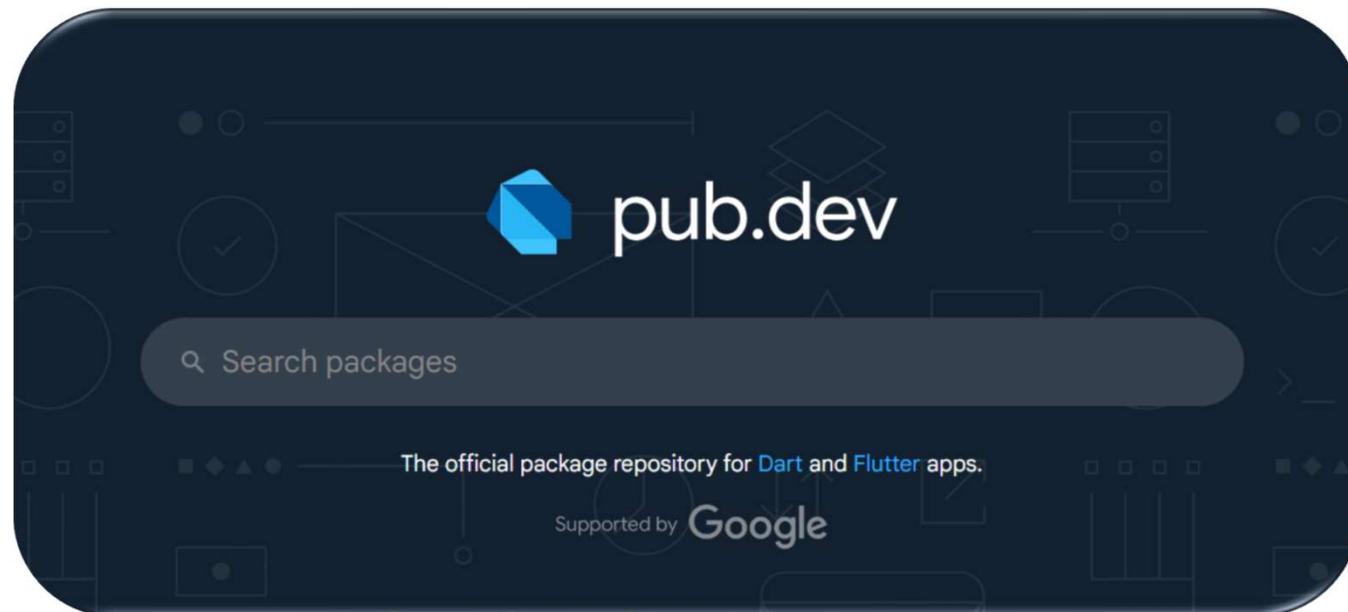
**3: Importing the Package**

## I: FINDING THE PACKAGE

- First of all head over to **Pub.dev**, where you can find all the flutter compatible packages. Now, if you already know which package you need to install, directly search the name of the Package in the search box.

## PUB DEV

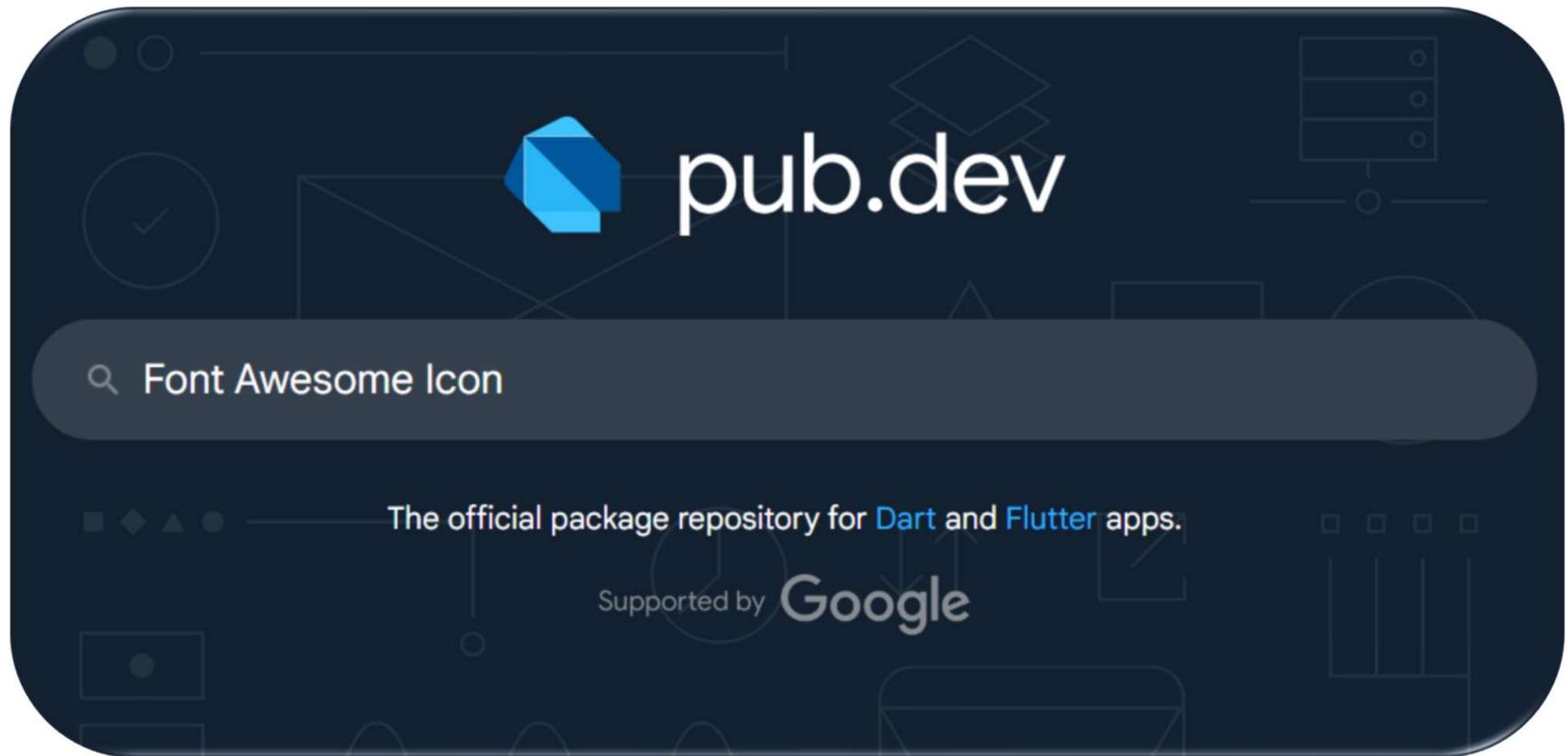
- It is the **package manager** for the Dart programming language, containing reusable libraries & packages for Flutter, Angular Dart, and general Dart programs.



## EXAMPLE

- Let's install **font\_awesome\_flutter** package
- The free Font Awesome Icon pack available as set of Flutter Icons - based on font awesome version 6.2.1.
- This icon pack includes only the free icons offered by Font Awesome out-of-the-box.

## I: FINDING THE PACKAGE



## I: FINDING THE PACKAGE

font\_awesome\_flutter 10.5.0



Copy package name

Published 2 months ago • fluttercommunity.dev Dart 3 compatible

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font\_awesome\_flutter

3821 LIKES | 140 PUB POINTS | 100% POPULARITY

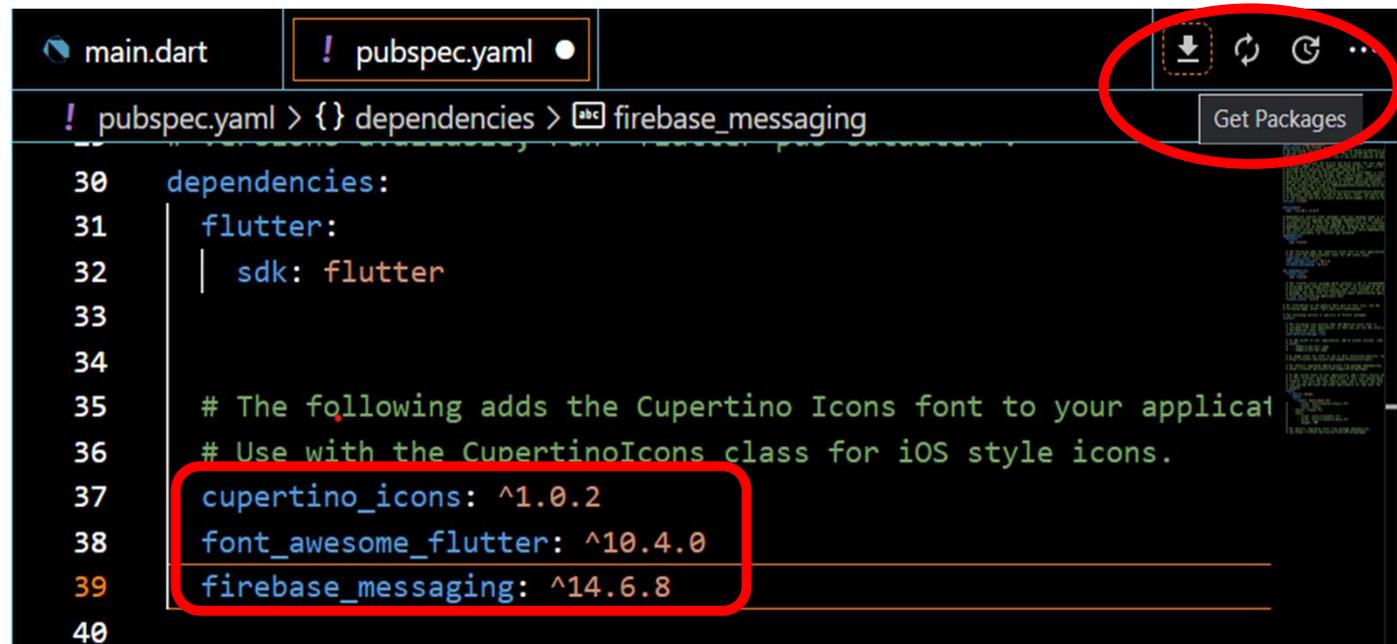
The Font Awesome Icon pack available as Flutter Icons. Provides 1600 additional icons to use in your apps.

## 2: INSTALLING THE PACKAGE-I

1: open pubspec.yaml

3: Get package

- 1) Open `pubspec.yaml` files
- 2) copy the code written under ***dependencies***
- 3) Click the **Get package**
- 4) Save file and close
- 5) Stop and restart the app, if necessary



```
main.dart | ! pubspec.yaml | [Get Packages]
```

```
! pubspec.yaml > {} dependencies > firebase_messaging
```

```
30 dependencies:
31   flutter:
32     sdk: flutter
33
34
35   # The following adds the Cupertino Icons font to your applicat
36   # Use with the CupertinoIcons class for iOS style icons.
37   cupertino_icons: ^1.0.2
38   font_awesome_flutter: ^10.4.0
39   firebase_messaging: ^14.6.8
40
```

2: paste your package

## 2: INSTALLING THE PACKAGE-2

- 1) Open **terminal** in flutter (in the menu bar click Terminal then select New Terminal ) or (Ctrl + Shift + ` )
- 2) After open terminal go to **Output**
- 3) Write this ***flutter pub add font\_awesome\_flutter***
- 4) Stop and restart the app, if necessary

## 2: INSTALLING THE PACKAGE-2

PROBLEMS

OUTPUT

DEBUG CONSOLE

PORTS

COMMENTS

▼ TERMINAL

```
PS C:\Users\HAZHAR\Documents\vs code\flutter_application_24> flutter pub add font_awesome_flutter
Resolving dependencies...
  async 2.10.0 (2.11.0 available)
  characters 1.2.1 (1.3.0 available)
  collection 1.17.0 (1.18.0 available)
+ font_awesome_flutter 10.4.0 (10.5.0 available)
  js 0.6.5 (0.6.7 available)
  lints 2.0.1 (2.1.1 available)
  matcher 0.12.13 (0.12.16 available)
  material_color_utilities 0.2.0 (0.8.0 available)
  meta 1.8.0 (1.10.0 available)
  path 1.8.2 (1.8.3 available)
  source_span 1.9.1 (1.10.0 available)
  stack_trace 1.11.0 (1.11.1 available)
  stream_channel 2.1.1 (2.1.2 available)
  test_api 0.4.16 (0.6.1 available)
Changed 1 dependency!
PS C:\Users\HAZHAR\Documents\vs code\flutter_application_24> |
```

### 3: IMPORTING THE PACKAGE

- Add a corresponding **import** statement in the Dart code.

```
import 'package:font_awesome_flutter/font_awesome_flutter.dart';
```

## EXAMPLE

```
Scaffold(  
  appBar: AppBar(  
    title: const  
Text("FontAwesomeIcons"),  
  ),  
  body: const Center(  
    child: FaIcon(  
FontAwesomeIcons.twitter,  
    color: Colors.blue,  
    size: 100,  
  ),  
  ),  
),
```

FontAwesomeIcons

