



**JULY 27**

**CREATE A FLUTTER NEWS APP**



# About the Assembly

- A smart lab based out of In5 since Dec 2014
- Over 250 free workshops done
- ASSEMBLY: HACK - Embedded systems, IoT and hardware
- ASSEMBLY: CODE - Software projects - APIs, frameworks, apps
- Age range: 16-60 - students, professionals, entrepreneurs
- Focus on smart technology and practical applications
- Forum: [members.theassembly.ae](https://members.theassembly.ae)



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# What is Flutter?

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**Flutter** is an open-source mobile application development framework created by Google. It is used to develop applications for Android and iOS, as well as being the primary method of creating applications for Google Fuchsia.





# BEFORE WE START

Github Repo:

- Full - <https://github.com/The-Assembly/FlutterNewsApp>
- Working Folder - [https://github.com/The-Assembly/FlutterNewsApp\\_Working](https://github.com/The-Assembly/FlutterNewsApp_Working)

ACKNOWLEDGEMENT: Based on ideas/code from Daniel Shiffman (formerly of the Processing foundation) and his Coding Train blog.



# Getting started

1. **Install:** Flutter SDK, Visual Studio Code, XCode(For IOS apps)
2. Ask for help from the Assembly team if you get stuck with anything!



# Overview

## TOPICS:

- 1.) **What is Flutter? Where is it used**
- 2.) **How Flutter can be used to develop cross platform applications? What is Material design?**
- 3.) **How to Retrieve information from a news API?**



# Installation:

COMMUNITY  
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Docs

Showcase

Community



Get started

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

[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







# A Flutter News App

## Major Features

- Save articles to read later.
- Exploring news with respect to categories.
- Search for topics.

## Dependencies

1. Firebase
2. Google Sign In: An authentication system that allows the users to connect via their Google Accounts.
3. Flutter WebView Plugin: Helps Flutter to communicate with the native WebView.
4. News API: A great data source for news tickers and other applications showing live headlines.

Share articles.



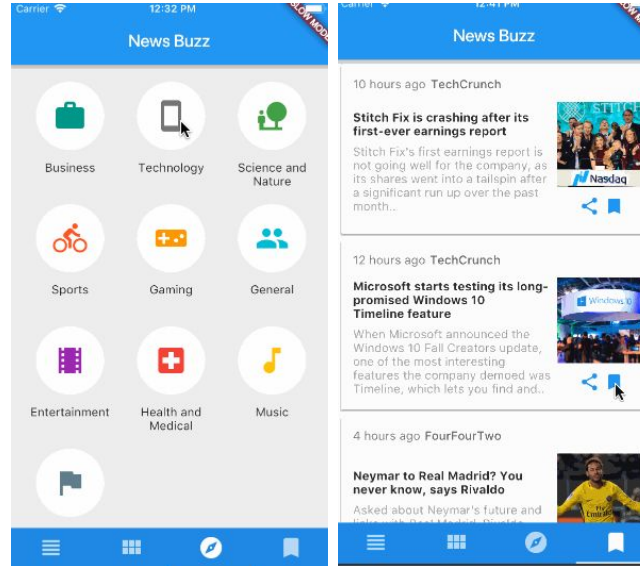
# Screens

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## SCREENS:

- Home Feed
- Explore

Categories



Saved Articles