

**flutter-news-app**

# Flutter News App

Flutter News App is a well structured, responsive IOS and ANDROID app having fully customizable pages along-with a rich collection of UI elements specifically for an ideal News app to help you quickly get started on your project. The app components are build using GetFlutter open source library.

**Flutter** is Google's mobile app SDK for crafting high-quality native interfaces on iOS and Android in record time. Flutter works with existing code, is used by developers and organizations around the world, and is free and open-source

We have developed Flutter News App with flutter framework. It is an UI kit app that can be used with any backend.

There are several UI components with cool animations, and the ease of customizing themes are exclusive benefits of our apps. We do not only create the best User Interface, excellent User Experience but also gives you control over page designs and flow of your web and mobile app.

Few things make flutter the future of mobile apps as it's performance better than Ionic and React Native framework and their app performance is also quite good as compared to others.

Flutter ship features quickly with a focus on native end-user experiences. The layered architecture allows full customization, which results in incredibly fast rendering and expressive and flexible designs. It supports hot Reload in milliseconds to paint your app to life. Use a rich set of fully-customization widgets to build native interfaces in minutes. It's widgets incorporate all critical platform differences such as scrolling, navigation, icons, and fonts to provide full native performance on both iOS and Android

# Technologies used

## Technologies Used

The components of the App are built using the core components of Flutter. The theme also consistently incorporates various other latest technologies.

- **Flutter** ( Mobile app Develop with this framework )
- **GetFlutter** (Open source UI library)

## Flutter

**Flutter** is Google's mobile app SDK for crafting high-quality native interfaces on iOS and Android in record time. Flutter works with existing code, is used by developers and organizations around the world, and is free and open-source.

## GetFlutter

**GetFlutter** is an open source UI library that comes with pre-build 1000+ UI components. The library has a rich set of UI components that helps us to create a Flutter app in very less time.

# App structure

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## App Structure

There are Five main folder structures in a Native Flutter app:

**App:** The app has all the files needed for the app and the main structure on which the application can be built upon.

**Common:** It has some data which we can reuse in the app.

**Pages:** It has all pages of a project which contains UI, functions, and styling of our app. It also contains some files which we can reuse in the app.

**Service:** It contains all the API implementation of the project.

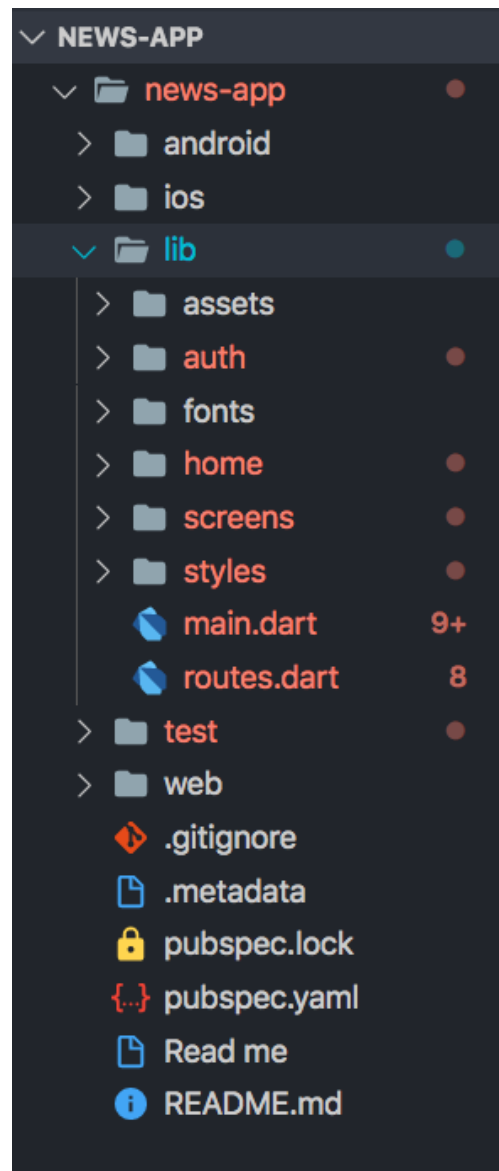
**Assets:** It has all icons, background images, and some other images.

**Style:** It has a typical style of our whole project, and it also has similar colors which we reuse in the project.

**Note:** If you want more information, please refer to [Flutter Getting Started](#).

## App

**main.dart:** It is the main entry point of our app. It defines the basic structure and initial navigation of the app.



App structure

In our case, we have a side menu. In this file, we have defined which page would be the first, and we also described an option to navigate to the side menu. It also helps in notifying us when the platform is ready.

## Pages:

Each page has its own folder. And within that folder, you will find every related file for that page. This includes UI, and it is connected with the service page.

Let's get through the cart page.

## Service:

Each page has its folder. And within that folder, you will find the related files for that particular page. It contains API.

## Style:

It contains a similar kind of files which we are using in this project. In our case, we have defined all the colors used within the app, which helps us to change color so that you can play around and try different color schemes.

We also defined a common Text style which is used within the app.

```
1 TextStyle hintStyle() {  
2   return new TextStyle(  
3     fontWeight: FontWeight.w400,  
4     fontSize: 14.0,  
5     color: Colors.white70,  
6     letterSpacing: 1.0  
7   );  
8 }
```

# System requirements

## Project Requirement

Make sure to download the following installation bundle to get the latest beta release of the Flutter SDK (for other release channels, and older builds, see the [SDK archive](#) page). If you need more info on how to setup project, please follow [Flutter Getting Started](#) at [Flutter](#) official websites.

## Flutter SDK

Download the following installation bundle to get the latest release of the Flutter SDK (for other release channels, and older builds, see the [SDK archive](#) page.):

- [v1.7.8+hotfix.4](#)

Please follow the Flutter installation guide on their [official website](#)

### Extract the file in the desired location :

In Linux and MACOS:

```
cd ~/development
```

```
tar xf ~/Downloads/flutter_linux_v1.7.8+hotfix.4-stable.tar.xz
```

In Window go to:

1. C:\Program Files\
2. Locate the file flutter\_console.bat inside the flutter directory. Start it by double-clicking.

## Create a Demo Flutter Project:

In the android studio, you can find an option to create a new flutter project there you can select flutter application, click on next there you can mention your project name click on

next, enter your company domain click on finish .your flutter project gets created.

Create a simple, template Flutter app, using the instructions in [Getting Started with your first Flutter app](#).

**Tip:** If you don't see "New Flutter Project" as an option in your IDE, make sure you have the [plugins installed for Flutter and Dart](#).

You can install the plugins by following the below step:

Go to Android studio>File>Plugins>install flutter>install dart(this will download your flutter and dart files )

Flutter create your\_project\_name

Type the Below command in your CMD to run flutter project :

```
** $ flutter run **
```

Install the packages of a flutter :

```
** $ flutter packages get **
```

Run flutter doctor:

```
** $ flutter doctor **
```



# Installation guide

## How to Run

Run in Device or Emulator: Before running this, make sure that you have installed all the packages inside your flutter project by following the below steps:

Click on tools, go to SDK manager there you click on all the checkboxes of different versions of APK click on apply then click on finish.

Tools> AVD Manager> Create new Virtual device select your device, click on next and it will display you with the options to choose the version, click on next and finish. You can run it by selecting the device and clicking on the emulator option. Or you can also run it by using the below command called flutter run.

Open your terminal and navigate to the project folder and install plugins :

```
** $ flutter packages get **
```

Once plugins are installed successfully you can run the app in Device with :

```
** $ flutter run ** (to run mobile app)
```

You may also face VT -X disabled error while running the emulator if your BIOS set up is incomplete (**applicable for only windows user**). So make sure that you will set the BIOS by below steps.

You can go to System configuration >VT >Device configuration >Enable VT

If there is any issue apart from this, please google it, or if you fail not find the solution, please feel free to report us, we will look into it.