

Week 2 - Assignment

Create a news application in Flutter using API calls from **NewsAPI.org**

The Application must have the following functionalities:

- **Headlines Section** (You can display it in form of a carousel or a list)
- Able to select from **sources(Countries)** and get the **related** headlines in list format
- A search bar where you can enter your keyword. There should be a search button on click of I'll be taken to a new screen which the results related to the keyword.
- Page with a list of articles.
- On Click of the article, it should open the article's URL. (Tip: use url_launcher plugin)
- **UI - Surprise with your own creativity!**

NOTE: Must convert the response into Models

Learning Outcomes:

- Comfortable with making API Calls
- Clear with JSON deserialisation and serialisation
- Clear with Model Classes and Named Constructors

Resources:

Blogs:

- **Nested JSON**
<https://medium.com/flutter-community/parsing-complex-json-in-flutter-747c46655f51>
- **Passing Data between pages.**
<https://www.youtube.com/watch?v=I3KnuUmlr-w>
- **Models in Dart**
<https://thegrowingdeveloper.org/coding-blog/how-to-create-models-in-flutter-dart>

Youtube Channels:

- <https://www.youtube.com/c/JohannesMilke>
- <https://www.youtube.com/c/VandadNP>
- <https://www.youtube.com/c/TheGrowingDeveloper>
- <https://www.youtube.com/c/TheFlutterWay>