

## Try to complete this workshop in 5 hours

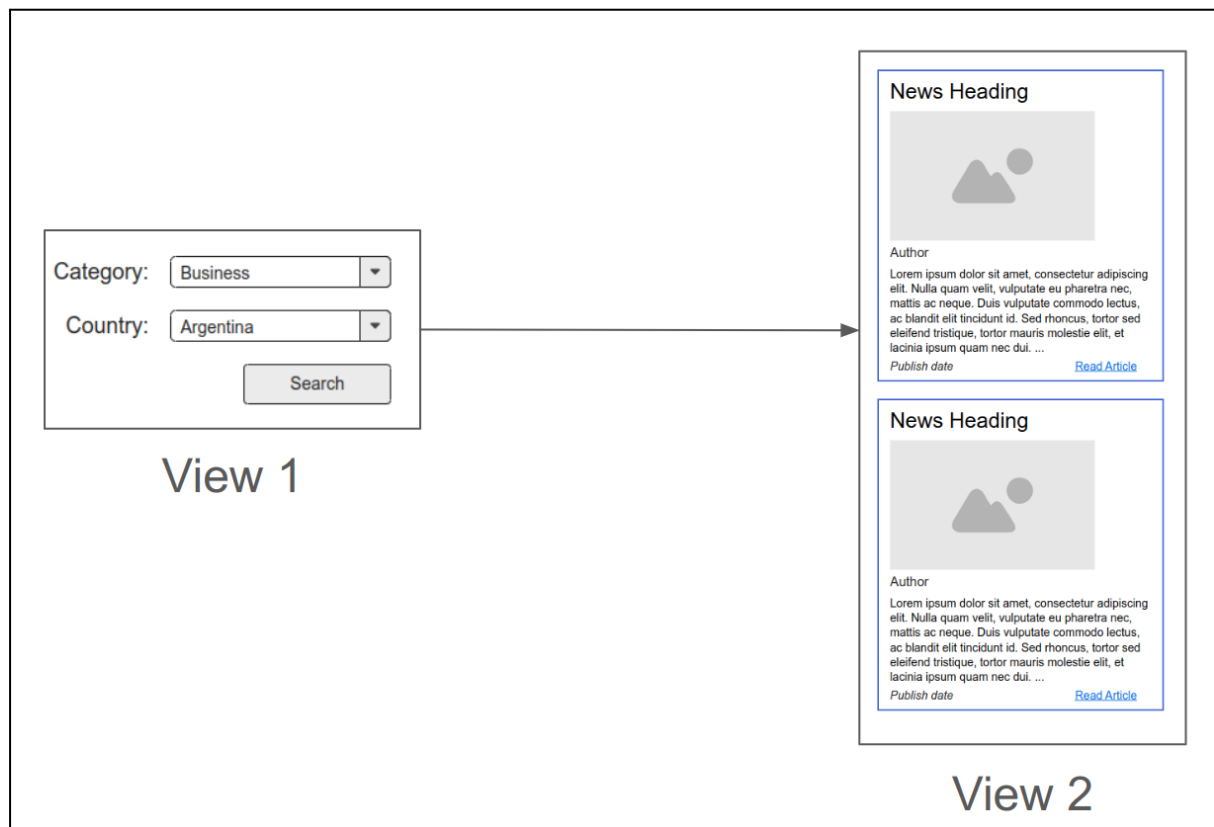
This is a practice workshop. You will write an application to display news from newsapi.org site

The endpoint that you will be using to get the news is Top headlines

<https://newsapi.org/docs/endpoints/top-headlines>

### Task 1

The application contains 2 views shown in the following diagram



View 1 - This is the landing page. Users can select the news by selecting the category and country supported by newsapi.org. You can decide the number of articles returned from the top headlines REST endpoint

You can use get the country name from country code with this endpoint <https://restcountries.com>.

View 2 - Displays a list of news. For each article, display the following

- Title
- Image
- Author
- Description
- Publish timestamp
- Clickable link to display the full article

If no articles are found, display the following

No news found for country <selected country> in category <selected category>

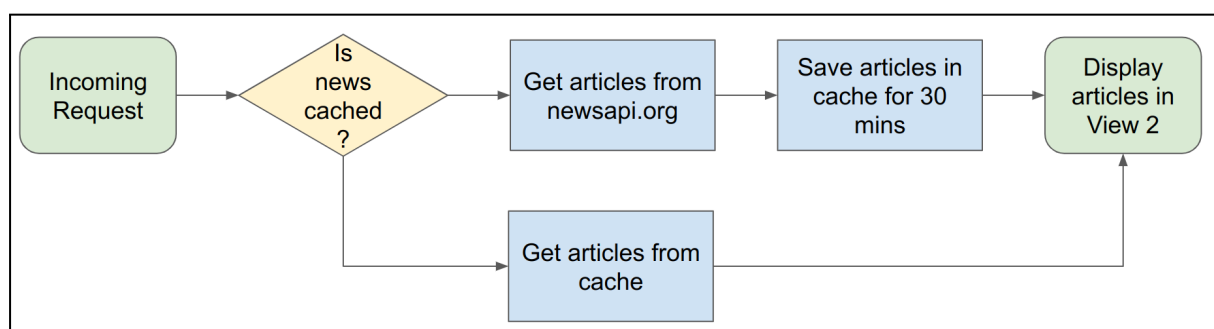
When the Search button is pressed, use the news criteria from View 1 to get the news and display it in View 2.

## Task 2

Note: complete Task 1 before attempting this

Cache the retrieved news for 30 mins in Redis; if a subsequent news request matches the cache news, return the news articles from the cache instead of from newsapi.org.

The following flowchart describes this process



Modify View 2 to include the text 'From cache' if the news articles are retrieved from cache.

The 30 mins cache time should not be hardcoded but should be configurable. During development, you should reduce the caching time so

### **Task 3**

Deploy your news application to Railway by writing a Dockerfile.

You should complete Task 1 and deploy. Then work on Task 2 then update your deployment.

**REMEMBER:** All sensitive information should not be hardcoded into the source code or application.properties file.

Post your Railway URL to Slack #02-ssf after your deployment