

Helmes

Job Interview Task v1.3

Description

Your task is called **NewsApp**. As the name says, the app's main purpose is to provide the reader with news. The app will use a free public **REST API** (<https://newsapi.org/>) to obtain news sources and their articles

The app is rather simple from the user's perspective as it only has a few screens:

News List, and **News Details**.

You can use **Material** design guidelines as a baseline to create your app. App theme is up to you. Animations and interactable widgets are a bonus.

News list screen

This screen should display articles from **top headlines**. Article list items should have basic information like **image**, **title**, and short **description**, **date time** it was published.

Pressing on article list item we should go to **News details screen**.

The screen should have a swipe down to refresh functionality to retrieve new articles.

News details screen

This screen should display detailed information about the selected article: **image**, **title**, **description**, **publication date**, **author**, and a **link** to the original article.

The **link** could open the article's original **URL** in **web view** or **browser**.

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Requirements

General

- Public git repo
- Feature branches

App

- Error handling, displaying an error message on the screen

Flutter requirements

App

- Material Design Guidelines (<https://material.io/develop/flutter>)

Mandatory Technologies to use

- **Mobx** (<https://pub.dev/packages/mobx>)/**Flutter Bloc**(https://pub.dev/packages/flutter_bloc) for state management
- **Dio** (<https://pub.dev/packages/dio>) for services
- **JSON serializable** (https://pub.dev/packages/json_serializable) for serializing objects

Bonus points

- Creativity with design and making animations for widgets
- **get_it** for dependency injection (https://pub.dev/packages/get_it)
- **Unit tests**
 - o **Mockito** - helper for test writing (<https://pub.dev/packages/mockito>)
- Clean coding principles (onion architecture)