

# Senior Full Stack Software Engineer

## Coding Challenge

This coding challenge aims to simulate a simple News website.

### Requirements

Create a web application with the following characteristics:

1. Frontend must be written using Vue/React/Angular JS and ES6+
2. Backend must be written using Node.js and ES6+
3. Use a web design framework (Bootstrap/Material Design/Styled Components)

### Project Specifications

The web application must be capable of the following:

1. Backend must fetch News Articles from different Sources. You can get articles from any news RSS Feeds provider, or <https://newsapi.org/>
2. Frontend must connect to your Backend
3. Frontend has capability to choose a News Source
4. For each News Article, display its title, date, excerpt, and image (if provided)
5. News list must be paginated and limited to 10 items per page
6. Bonus points for offline capability wherein the page should still work and display cached News Articles even when the page is refreshed
7. Bonus points for Backend data persistence.
8. You may check the image below for design reference

### Submission

- Provide a README with setup instruction to run the web application. Also provide summary on how you arrived with the solution. If in case you have deployed your web application to a cloud hosting provider, kindly also send the URL
- Upload your source code to Github/Gitlab, make sure it will be accessible
- Send the Github/Gitlab and AWS link (if any) to [aristotle.espiritu@moscord.com](mailto:aristotle.espiritu@moscord.com) and [samuel.francisco@moscord.com](mailto:samuel.francisco@moscord.com)

News Source 1

News Source 2

Article Image

Article Title

Date

excerpt

No Image

Article Title

Date

excerpt

Article Image

Article Title

Date

excerpt

Article Image

Article Title

Date

excerpt

No Image

Article Title

Date

excerpt

Article Image

Article Title

Date

excerpt