



# Application Engineer candidate exercise

## Introduction

First – thank you for participating in our coding exercise! As you can imagine, as a developer at AREA 17, you'd collaborate with your project team to solve in-project challenges with the collective smarts and know-how of your teammates at your disposal. For this reason, we've provided some specifics to guide your code as a stand in for those other real-job collaborators and parameters.

To be sure: there is no “correct” response. Rather, want to get a first hand look at your thinking and approach to the prompt and how you craft solutions.

We'd time box about 4 hours to complete, but invite you to spend as much time as you feel necessary to craft a response reflective of your craft.

## Instructions and deliverables

Included in your assets are a collection of mobile and desktop designs. Imagine that these static designs are a landing page. The key functionality of the page is to feature seven news items. The news items will be curated and featured by an admin (not based on a chronological ordered list of news).

In this exercise, we ask you to:

- Integrate the page into a backend application
- We are looking for you to choose or build some sort of CMS, ideally using Laravel
- Set up a CRUD process for news items
- Link the landing page to your CMS by integrating your statics with actual content (title, image, author)

## **For discussion**

After deploying your work online, you'll walk us through your approach. We hope to learn how you would make this project production ready. Imagine this could be part of a large scale project, how might you scale the build? Note we don't mean the scalability of the specific page.

If you have time or interest, feel free to implement the other possible features listed below. If you don't get to it, we look forward to talking through how you might approach these.

- Make the ad in the upper right editable in the CMS
- Implement a detail page for news items that includes some sort of "block editor" capabilities to edit the body of the page
- Add the ability to translate content

Feel free to get creative and implement any other ideas as well!