

# FRONT-END DEVELOPER EXERCISE REQUIREMENTS

## GENERAL REQUIREMENTS AND CONSIDERATIONS

### LAYOUT MATCH & RESPONSIVENESS

The result of the exercise must match the provided layout at a PC resolution, and it should adapt to smaller viewports. Feel free to determine how the different page components will adapt in a responsive way.

### STANDARDS COMPLIANCE

Ensure that your mark-up is W3C compliant. For example, tags are correctly closed, tags are correctly nested and that all required tag attributes are set. Your page should validate against the online W3C checker.

### BROWSERS

The page should match the artwork and work in the following web browsers:

- Microsoft Edge
- Microsoft Internet Explorer 11
- Google Chrome, both for computers and mobile devices
- Mozilla Firefox
- Apple Safari, both for computers and mobile devices

The page must also work in Internet Explorer 9 and 10, where a *graceful degradation* is admitted.

## SECTIONS REQUIREMENTS

### "CAROUSEL" SECTION

All the images provided in the assets/images/carousel folder must be present in the "carousel" section. The carousel must slide and loop infinitely, both automatically and as the user requests it.

### "NEWS" SECTION

Only the first news must be visible at page load. The 2<sup>nd</sup> and the 3<sup>rd</sup> news must be shown when the "SHOW MORE NEWS" button is pressed. The "SHOW LESS NEWS" button must collapse them again. According to the status of the page, only one button should be visible at a time.

## "ONE, TWO, THREE, FOUR" SECTION

The "One, two, three, four" section requires you to do some AJAX calls, read the resulting JSON and produce some HTML inside the white box.

The JSON files you will have to call are included inside the assets/data folder.

It's up to you to decide what HTML to produce when the AJAX calls succeed.

## "CONTACT US" SECTION

The "Contact us" form should include client-side validation.

The artwork identifies what fields in the form are required, but there are also some additional levels of validation that should be implemented. The complete set of requirements regarding validation is as follows:

- The field 'Contact name' is required and needs to be populated to allow submission
- The field 'Contact email address' is required and needs to be populated to allow submission
- The field 'Contact email address' needs to conform to the format of an email address to allow submission
- The field 'Contact phone number' is NOT required, although, if this field is populated, it must contain only digits and be a maximum of 11 characters long upon submission

## EXTRA POINTS

Your exercise will receive extra points in the following cases:

- It's written using clean, semantic HTML 5 markup
- Has good code readability
- Has a focus on client-side performance optimization
- It's created using a CSS pre-compiler, such as SASS or LESS
- Takes into account accessibility standards and best practices

You are allowed to use any libraries, plugins or frameworks, or you might decide to write your own code from scratch, as long as you can motivate your choices.

## TIMING

You can take one week since the receiving of these requirements to complete the exercise.