Front-end developer exercise requirements

General requirements and considerations

Generally, you should build the web page in the way that you feel it should be built, however the following should be taken into consideration.

Standards compliance

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

Browsers

The page should work and resemble the PSD in the following web browsers:

- Internet Explorer 8, 9, 10, 11 and up
- Google Chrome
- Mozilla Firefox
- Apple Safari

Layout responsiveness

The layout should adapt to many browser window sizes.

"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" form

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

The PSD 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

You are allowed to use any JavaScript libraries if you need to and you should comment your code, where appropriate.

Extra points

Your exercise will receive extra points in the following cases:

- Has a focus on client-side performance optimization
- It's written using semantic mark-up
- Uses CSS3
- Uses Media Queries
- It's created using a CSS pre-compiler, such as SASS, Compass or LESS
- Has good code readability
- Takes into account accessibility standards

Timing

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