



## Technical test

### **Context:**

We want to evaluate the overall quality of your code and your code practices.

The exercise will include a front-end and a back-end side. We don't expect you to use any specific framework/library except Node. However, feel free to use any that you may wish.

For the front-end, no work on the design is expected.

Your work will be submitted through Git on the platform of your choice. Each step of the exercise will be done on a separate branch.

**Aim of the exercise:** Convert integer numbers into roman numerals.

### **Step 1:**

A front-end form will allow the user to input a integer number between 0 and 100. When submitting the form, the user will receive the conversion of this number into roman numerals.

So for example, if a user inputs "9" and submits the form, the page should display "IX".

The actual conversion will be done on the back-end side through an AJAX request.

Conversion rules can be found on the following page:

<https://www.mathsisfun.com/roman-numerals.html>

### **Step 2:**

Once your conversion is working well. You will create a second version of the code in which the result of the conversion is sent to the client through a Sever Side Event.

More information about the SSE can be found on the following page:

[https://fr.wikipedia.org/wiki/Server-sent\\_events](https://fr.wikipedia.org/wiki/Server-sent_events)

Good luck!