**Written Assessment: *Junior Developer***

Thank you for your interest in taking the written assessment for this role.

***PLEASE READ THE INSTRUCTIONS BELOW CAREFULLY***

* This assessment consists of two (2) tests.
* We expect you to spend a total of approximately 8 hours writing the code.
* You must submit your responses by replying to this email within 48 hours.
* All comments in the codebase must be written in **English** only.
* Please attach your solution in a zip file or share it on a git repository
* You must complete this assessment without assistance from other persons. **Using the words or ideas of another person and presenting them as your own is deemed as plagiarism and will lead to automatic exclusion from further consideration.**

Good luck!

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**1st Test - Ruby language**

**Scenario:**

We recently acquired a postal office as our client. They receive the information in XML files and we need to extract information from this XML file and store it as a transformed ruby hash.

The program **must** be written in Ruby. If you want to go the extra mile, it would be great to see a couple of test cases as well.

**Input:**

The xml input file is called data\_source\_one.xml and you will find it attached with this document.

**Output:**

The resulting output must be written in a json file in the project root directory.

It should look something like the following code:

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**2nd Test - Angular framework**

**Scenario:**

Here at MonteDelGallo we love tacos, we really do, and Nicco wants to learn how to make the best ones. We want to use Angular to build a single page application, that will fetch some data from a public API, and let Nicco read some tacos recipes.

**REST APIs documentation:**

<https://github.com/evz/tacofancy-api>

**Output:**

We don’t care much about design, in this phase. The use of a global state manager such as *rxjs* would be appreciated.