



## Developer Internship Qualifying Test Instructions

First of all, let us tell you how delighted we are that you have chosen Razoyo as a potential starting place for your career. It's a great honor and we hope this works out for both of us.

In addition to these instructions, you should have the following files when you unzipped them:

- test-file.txt
- customers.xsd
- file-formats.pdf

The test file is your source document. It contains several lines of data that you will need to parse and properly format to the target files as follows:

- customers.xml
- orders.json
- products.csv

The data in the source file is a mixture of records. The first field of each record tells you which kind of information is contained in that line of data.

In your submission, you should zip up the following in a single folder named 'test-submission-[your first name]':

- source file
- your code
- Readme.md with run instructions

Your submission **MUST NOT** contain the target files. They will be generated when your code is run.

You may write your program in any language you choose and you may use libraries, if you like, though it will probably be simpler if you don't use any. You may structure your response file any way you want, but, they should unzip to the proper folder structure. If you are using any modules or counting on a specific version of your programming language to run your program, be sure to include the appropriate config.json or .yaml files.

The test evaluator will follow this process:

- Unzip your response files
- Run npm install (or other package manager - please include in your Readme file)
- Run your program using a basic command such as 'npm run start' or 'python code.py'

The test evaluator will not:

- Follow complex instructions to run your code
- Troubleshoot your code



- Contact you with any questions before running your code

The target files should only contain the type of data that belong to it. E.g., there should only be customers in the customers.xml file, no orders or products. Additionally, they should meet the following criteria:

- There must be a record for each relevant row from the source document. I.e., if there are 3 rows of customer data in the source file, all 3 should appear in the output file.
- The file must validate according to the appropriate specification standards. We will use the following validators
  - [JSON](#)
  - [XML](#) - must validate against the customers.xsd schema
  - [CSV](#)
- The files must appear in a directory named 'output\_files'. You may include that directory in the zipped files, creating it does not have to be done by the program.

Successful execution is critical. If your code does not execute successfully, the test submission is a failure. We expect to have more successful submissions, however, than we have open spots. Thus, in addition, points will be given for:

- Lack of runtime errors
- Readability
- Cleanliness of code (see Martin's [seminal work](#)) such as:
  - variable naming
  - separation of concerns
  - single responsibility principle
- Fun! Easter eggs, formatting, etc.

When you have completed your test, zip up your submission and email it to [hr@razoyo.com](mailto:hr@razoyo.com) with the subject line "Intern Test Submission from - [your name]".

Do your best, but, definitely have fun with this project. Once again, thanks for applying!

Best of luck!

*Razoyo Team*