

# Coding Challenge / MBition

## Background:

- We have an API, which represent our user management. (<https://reqres.in/>)
- We are getting an audit which is proving, our processes and our documentation.
- We are aiming to have much automation as possible.
- Storing our source code locally is not an option. (GitHub, Bitbucket or GitLab private repository should be used, but shared with the Interviewers)
- We want to have the highest quality as possible #Best-or-nothing
- Our setup has to be as much as possible IaasC
- We don't want to have local installations / setup.
- We want to see your own creative solution. Don't copy&paste any solutions from the internet.

## Story:

I, as an auditor, which don't know the technical background and don't have any coding background, need to have an overview, which users are using the System. That I'm able to audit / review the onboarded users, I need a non-technical readable output (Word, PDF, Excel, HTML, ...) of the users.

## Expected steps:

1. Select a coding language of your choice. (Python, Bash, C, C++, C#, Go, Java, ...)
2. Write the code for fetching the data, and creating the human-readable output
3. Write tests, which should validate, that you code is working
4. Setup a local Jenkins (or reasonable alternative), add min. 2 non-local build agents (IaaS)
5. Create a pipeline which is performing the generation of the output
6. Create a pipeline which runs "on commit" the tests.

## Goal:

Have the process automated and CI / CD (deploy) / CD (delivery) for the automation. Also, the quality should be as good as possible.