



## QA Engineer assignment: API testing

The idea behind this test is to assess your knowledge of APIs and your test strategy in testing them.

The task is to create a series of automated tests that cover the CRUD operations plus some edge cases based on Github Gists using the github API. (Github gists are the tool to do that with, knowledge of Gists are not required).

To do that we will use <https://developer.github.com/v3/gists/> you will need an account on git and probably create a oauth2 token.

<https://blog.github.com/2013-05-16-personal-api-tokens/>

If you don't have one you can ask us for one and we will provide it to you. Make sure you give detailed comments or descriptions of your tests.

In Payconiq we use java/kotlin and rest-assured, but you can use the solution that you feel more comfortable with (but it needs to be free).

Do NOT use specific libraries for dealing with Gists like `org.eclipse.egit.github.core.Gist`.

What we want to see is

- Test strategy
- Programming skills (consider Object Oriented Programming concepts)
- How you test APIs
- The maintainability of your solution; think of applying some sort of framework rules and guidelines (e.g. Modular framework)
- Show good structuring of tests for reusability (also good naming convention)

When the assessment is completed, please push your solution to GitHub, Gitlab or similar and send us the link. Please don't hesitate to contact us in case you have any doubt.