

Gamanza Backend QA Challenge

We are very pleased and happy that you are interested in working with us and like to join our Gamanza family. This QA challenge is a great playground and an opportunity for you to show us your knowledge, skills, motivation, and passion. We don't expect perfect tests, but something you will be proud of. It's completely up to you how you will tackle this task and solve it. Use tools, libraries, technology and patterns you would usually use and of course your knowledge.

What we would like to see:

- *Testing report*
- *Well written tests (we do not expect huge amount of tests)*
- *Bug reports (if you don't find any then few examples)*
- *Architecture pattern usage and clean code if there will be any*
- *Clean VCS history if there will be any code*

The finished project should be delivered in a form of a publicly available GIT repository or in some single zip document if you are not familiar with GIT tooling. The package should contain all the necessary code for running the tests and reports of the test made, also it should contain a document with reported bugs found on a website. Trust in your own knowledge and do your best (as with a real project) and commit often so we can see and understand the process and make a proper final product.

Good luck.

Common QA dilemmas – questionnaire

1. What bug reporting tools have you used in the past and what do you recommend the most and why?
2. Are you familiar with test scenarios? Have you ever used any tool for that? How would you introduce writing test scenarios for our apps?
3. How important is writing test scenarios for you? Why?
4. Assume you find a problem while testing the application, what would be your recommended approach to get that problem resolved?
5. You find and report a problem within the application, but the developer doesn't believe this to be a problem and resolve the task as won't fix? How would you deal with this scenario?
6. It is late in the evening. You are responsible for the GO/NO GO decision. The workflow is very strict and there are numerous tasks to be done:
 - Verifying bugs found in the very last stage of testing
 - One round of regression testing, etc.
 - Conclude the testing
 - Filling out the report,
 - Check everything is ready for release

You just discovered that some part of the app doesn't feel right - UI/UX it's not catchy enough.
What do you do? Why?

You know if following the procedure the app won't be released on time, but timing is everything on this release. What do you do? Why?

7. Assume you are the QA lead for a new major product with a set project deadline. Briefly describe how you would go about the following:

- Implementing QA process into the project
- Ensuring product successfully passes QA
- Making sure the project deadline is met.

8. Assume that only one area of the application has been changed, how much time do you think should be spent testing each segment of the app (new functionality, core functionality, all functionality, etc.)? Give an estimate in % for each segment and explain your decision.

9. Are you familiar with any test automation tool? Have you ever used automated testing in apps? How would you introduce automated testing to our apps?

Demo Application for testing

Your final product should be a scope of documents and test application which contain test for Gamanza's homepage. Website is available here: <https://gamanza.com/>

Optional:

- Implement load tests if you think its mandatory
- Implement automatic tests
- Usage of different tools and techniques

If you find some bugs, then create a document where you describe what the problem is and how you found it.

If you really want to impress us you can show us some Frontend tests as well (preferably Selenium).

The application and final product are not specifically defined and there are not huge requirements so you can finish this assignment in one day or in one month, depends on how much of knowledge you want to show to us.

We wish you a good luck and are waiting for your feedback.