

Coding Assessment

The goal with this assessment is to understand how you produce code and what we can expect from you when tasks are given. You are free to use any web framework you feel comfortable to implement the solution described on the following scenario.

Scenario

Your line manager proposed the development of a new web page, where team developers can inform their GitHub id (login) and receive advices about how they can improve their own profiles.

On the sprint plan, the following user stories were assigned to you:

- As a developer, I want to be informed if my profile does not have a biography, company and location filled, so that I can feed these values and keep my profile completed.
Acceptance Criteria: Given my profile login on the web page input, when GitHub user properties "bio", "company" and "location" are null/empty, then notify me to update those fields on my profile.
- As a developer, I want to be informed if I'm following less than five users or have less than five public repositories on my account, so that will engage me to look for other developers' activities and be more active on network and projects.
Acceptance Criteria: Given my profile login on the web page input, when GitHub user properties "following" and "public_repos" are less than five, then advise me to follow some developers and create some projects.

You will be the only developer working on this user stories and eventually your code will be maintained by another team. The project has sprints of ten days and it's expected that you can finish both stories in the same sprint.

What will be evaluated

- Research skills
- Clear and maintainable code skills
- Documentation (on code and outside of it)
- OOP Concepts
- Exceptions handling
- Right usage of HTTP Protocol
- Creativity
- Look and feel (user experience)
- Functionalities aligned with requirements
- Suggestions of improvement
- Unit/Integration Tests, Log implementation and right the usage of IOC, AutoMapper and other industry standard Libs will be considered as a plus.