

# SCALA DEVELOPER - SCALAC GITHUBRANK CHALLENGE



GitHub portal is centered around organizations and repositories. Each organization has many repositories and each repository has many contributors. Your goal is to create an endpoint that given the name of the organization will return a list of contributors sorted by the number of contributions.

The endpoint should:

- use GitHub REST API v3 (<https://developer.github.com/v3/>).
- return a list sorted by the number of contributions made by the developer to all repositories for the given organization.
- respond to a GET request at port 8080 and address `/org/{org_name}/contributors`
- respond with JSON, which should be a list of contributors in the following format: `{ "name": <contributor_login>, "contributions": <no_of_contributions> }`
- handle GitHub's API rate limit restriction using a token that can be set as an environment variable of name `GH_TOKEN`
- friendly hint: GitHub API returns paginated responses. You should take it into account if you want the result to be accurate for larger organizations.

Judging criteria (top the most important)

- finished working sample (usable API, clear instructions on how to run and use)
- code quality (idiomatic Scala, functional programming preferred)
- design quality (proper abstractions)
- tests
- taking advantage of the framework in use
- HTTP protocol usage (response codes, headers, caching, etc.)
- performance
- documented code (where it's relevant)

The sample project should be stored on your private Bitbucket repository and share with `scalacio` user (mail: [recruitment@scalac.io](mailto:recruitment@scalac.io) )

You can use any library available out there, but you must be able to explain the reason you chose it for. You have 3 days to complete the challenge.

Good luck!