

Celo Practical Challenge

This practical challenge is intended for candidates to demonstrate technical capabilities. Please complete as much as possible and submit your work within 3 days of receiving the request. You can submit your work by email with a zip attachment or a public repo. Our in-person interview will heavily base on the work you have done for this challenge.

Requirement

Specification

Use <https://randomuser.me/> as an example, write a REST API so that it can be consumed to serve the same purpose as <https://randomuser.me/>. For the simplicity of this challenge the scopes are limited as follow:

- Get a list of users
 - API consumer can specify a limit, e.g. only return top 20 users
 - API consumer can search by users' first name OR last name
- Get a single user
- Update a user details
- Delete a user

Each user should at least have the following information:

- Email
- Name include title, first and last name
- Date of birth
- Phone number
- Profile images (thumbnail for the list of users and large for getting a single user)

Technical Details

The following are a few technical suggestions:

- Use JSON as the request and response data format
- Use some kind of data storage for the users' store, such as MySQL, LocalDb, Document-based storage (NoSql) or even simple JSON files.

The important things we are looking for

- Good coding standard
- Maintainable application architecture
- Testing