

Golang Objective

Your objective is to build an incredible experience for a simple rest service with DB storage to retrieve user's information, while at the same time impressing us with how simple and clean your code is.

Requirments

1. Endpoint A: by typing url <http://localhost:8080/users> in a browser, we expect a list of users returning in JSON format. E.g., [{ "id": 1, "name":"John", "age":31, "city":"New York" }, { "id": 2, "name":"Doe", "age":22, "city":"Vancouver" }]
2. Endpoint B: by typing url <http://localhost:8080/user/2> in a browser, we expect a user with id=2 returning in JSON format. E.g., { "id": 2, "name":"Doe", "age":22, "city":"Vancouver" }
3. Unit Test: we expect to see unit tests for above two endpoints.
4. Optional: Uniform error handling, your code should also handle potential errors.
5. Optional: Security, in most cases, a token is required to authorize the access of an endpoint. To make it happen, we expect to see a simple and general security control.

Evaluation your solution

1. We were able to run your code
2. Tasks completed - are the tasks well completed
3. Code quality - is your code clean, simple, readable, well designed
4. Unit test - the endpoint and service are well tested
5. Errors - handle errors gracefully