1. Git Hub Repo for the Test

https://github.com/minitest-golang/shape-api.git

2. Implementation Approach

This Golang assignment is straightforward, but I would like to use microservie approach to implement this shape API.

- One container for Golang RESTful service (User APIs and Shape APIs)
- One container for PostgresQL DB

3. Requirements

To bring-up the services, please install docker and docker-compose on your system.

- docker

  https://docs.docker.com/engine/install/

- docker-compose

  https://docs.docker.com/compose/install/

For Windows, Docker Desktop could be a choice.

4. Unit-test

Go to the project folder, then run following command:

`go test ./...`

5. Start containers for test

Please go to the project folder, then run following command:

`docker-compose up -d –build`

6. Swagger API

After starting services, the Swagger API can be accessed at:

http://localhost:8081/app/v1/swagger/index.html

7. How to test

- **Using python test file**

```
cd ./test
python3 api_test.py
```

- **Using Postman**

Import Postman Requests at:

```
./test/Mini-Test-API.postman_collection.json
```