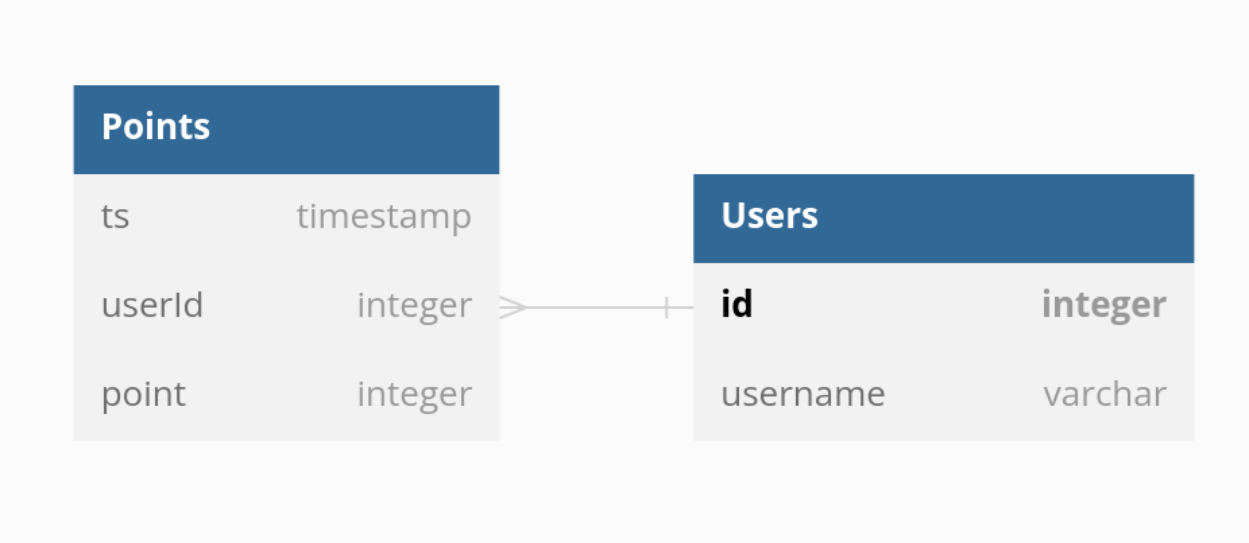
1. **Database**



2. **Endpoint**

Endpoint	**Description**
/v1/api/point?timestamp=1546281858 **Query: timestamp (optional)**	R2 - Input a timestamp, and return the TNX, return null if it's not existed
/v1/api/point/total?date=2010/01/01 **Query: date (optional)**	R4 - Calculate total points, group by username R5 - Input a date (YYYY/MM/DD), calculate total points, and group by username (similar to R4) but for the input day only
/v1/api/user/total-point?username=Tony **Query: username (optional)**	R3 - Input a username and returns the total points of that user

3. Setting environment

```
~/projects/fifty-milions-dummy on main *1 !2 ?1 ❯ make build_application
make down_application
make[1]: Entering directory '/home/tonytran/projects/fifty-milions-dummy'
docker-compose -f deployment/docker-compose.yml down
WARNING: The DEV_APP_PORT variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_HOST variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_NAME variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_USERNAME variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_PASSWORD variable is not set. Defaulting to a blank string.
Stopping tnx ... done
Removing tnx ... done
Removing network deployment_default
make[1]: Leaving directory '/home/tonytran/projects/fifty-milions-dummy'
docker-compose -f deployment/docker-compose.yml down
WARNING: The DEV_APP_PORT variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_HOST variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_NAME variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_USERNAME variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_PASSWORD variable is not set. Defaulting to a blank string.
Removing network deployment_default
WARNING: Network deployment_default not found.
docker-compose -f deployment/docker-compose.yml build
WARNING: The DEV_APP_PORT variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_HOST variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_NAME variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_USERNAME variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_PASSWORD variable is not set. Defaulting to a blank string.
tnx-mysql-db uses an image, skipping
docker-compose -f deployment/docker-compose.yml up -d
WARNING: The DEV_APP_PORT variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_HOST variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_NAME variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_USERNAME variable is not set. Defaulting to a blank string.
WARNING: The DEV_DB_PASSWORD variable is not set. Defaulting to a blank string.
Creating network "deployment_default" with the default driver
Creating tnx ... done
```

```
~/projects/fifty-milions-dummy on main *1 !2 ?1 ❯ npm install

added 219 packages, and audited 220 packages in 3s

17 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

```
~/projects/fifty-milions-dummy on main *1 !2 ?1 ❯ npm run migrate

> fifty-milions-dummy@1.0.0 migrate
> npx sequelize-cli db:migrate


Sequelize CLI [Node: 16.19.1, CLI: 6.6.0, ORM: 6.31.0]

Loaded configuration file "src/config/config.js".
Using environment "development".
== 20230415030352-create-point: migrating =======
== 20230415030352-create-point: migrated (0.038s)

== 20230415030610-create-user: migrating =======
== 20230415030610-create-user: migrated (0.017s)
```

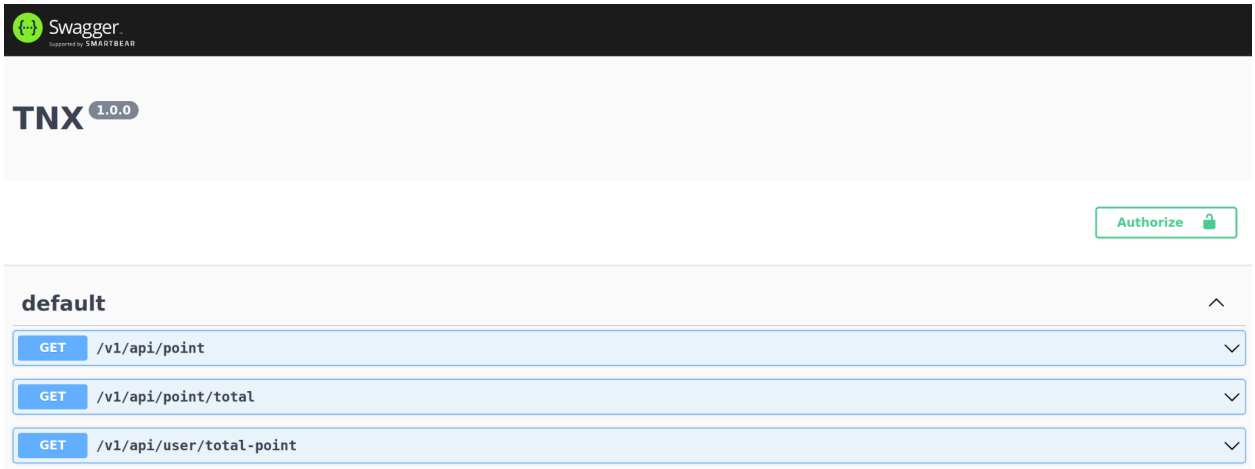
```
~/projects/fifty-milions-dummy on main *1 !2 ?1 ❯ npm run seed

> fifty-milions-dummy@1.0.0 seed
> npx sequelize-cli db:seed:all


Sequelize CLI [Node: 16.19.1, CLI: 6.6.0, ORM: 6.31.0]

Loaded configuration file "src/config/config.js".
Using environment "development".
== 20230415032716-users: migrating =======
== 20230415032716-users: migrated (0.718s)
```

```
~/projects/fifty-milions-dummy on main *1 !3 ?1 ❯ node src/workers

Num of threads::::16
Thread 6 is running
Thread 11 is running
Thread 10 is running
Thread 3 is running
Thread 4 is running
Thread 7 is running
Thread 5 is running
Connection has been established successfully
Thread 14 is running
Connection has been established successfully
Connection has been established successfully
Thread 12 is running
Thread 0 is running
Thread 1 is running
Connection has been established successfully
Thread 9 is running
Thread 13 is running
Thread 2 is running
Connection has been established successfully
Thread 14 was done!!!
Connection has been established successfully
Connection has been established successfully
Connection has been established successfully
Connection has been established successfully
Thread 8 is running
Connection has been established successfully
Connection has been established successfully
Connection has been established successfully
Connection has been established successfully
Connection has been established successfully
Connection has been established successfully
Thread 0 was done!!!
Thread 2 was done!!!
Thread 11 was done!!!
Thread 6 was done!!!
Thread 3 was done!!!
Thread 12 was done!!!
Thread 13 was done!!!
Thread 10 was done!!!
Thread 1 was done!!!
Thread 4 was done!!!
Thread 7 was done!!!
Thread 9 was done!!!
Thread 5 was done!!!
Thread 8 was done!!!
```

4. Swagger (localhost:3000/docs)