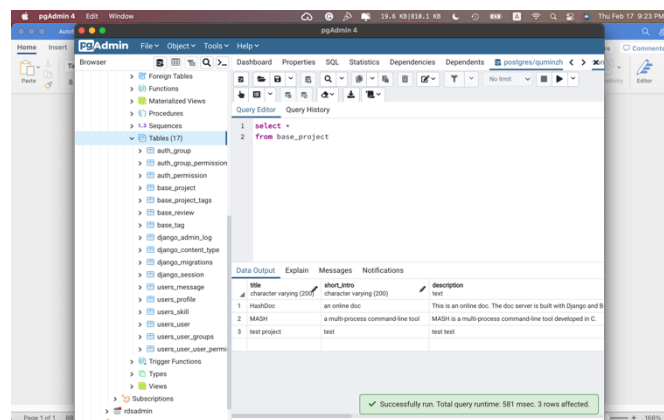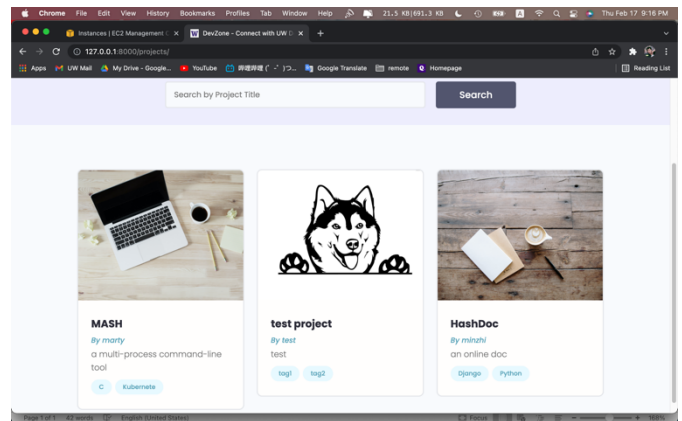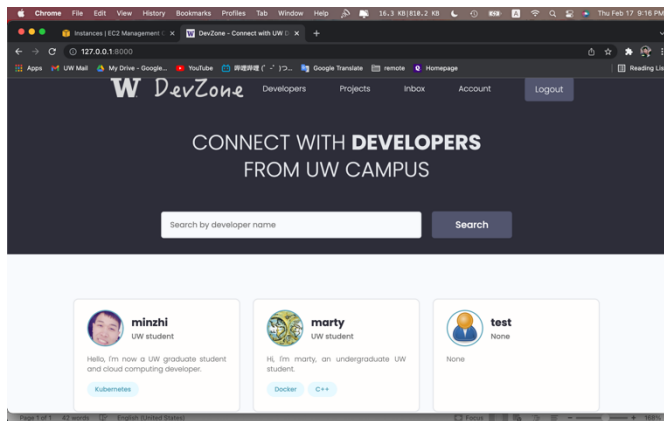# API: CRUD TEST

This is an extension for README.md where the architecture of DevZone is discussed.

Environment: Postman, Django 4.0.2, Python 3.9, AWS RDS (PostgreSQL)
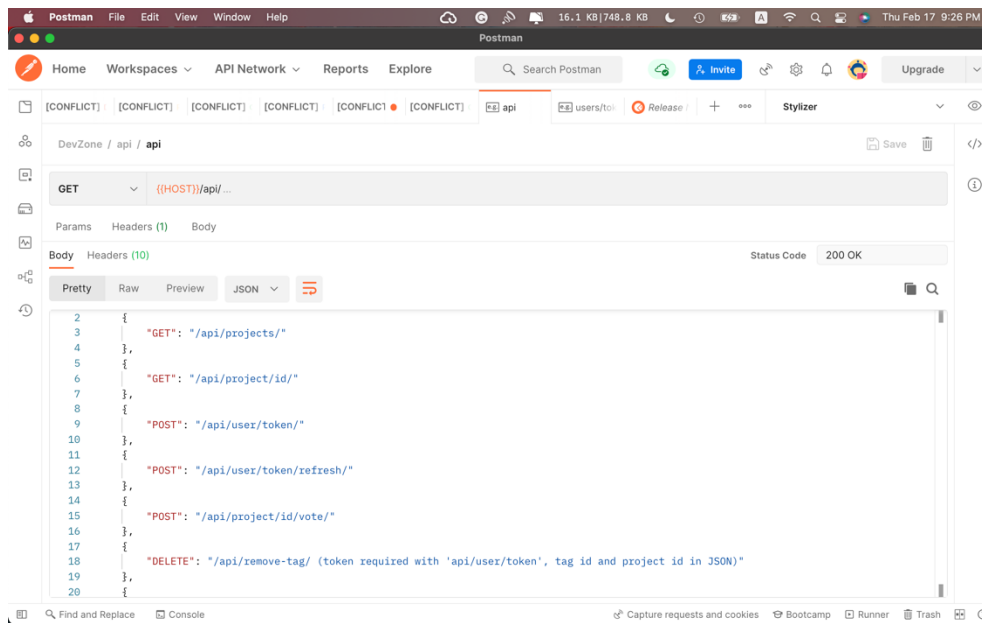
Initialization: we have 3 users each of whom has a project, and each project has related tags.
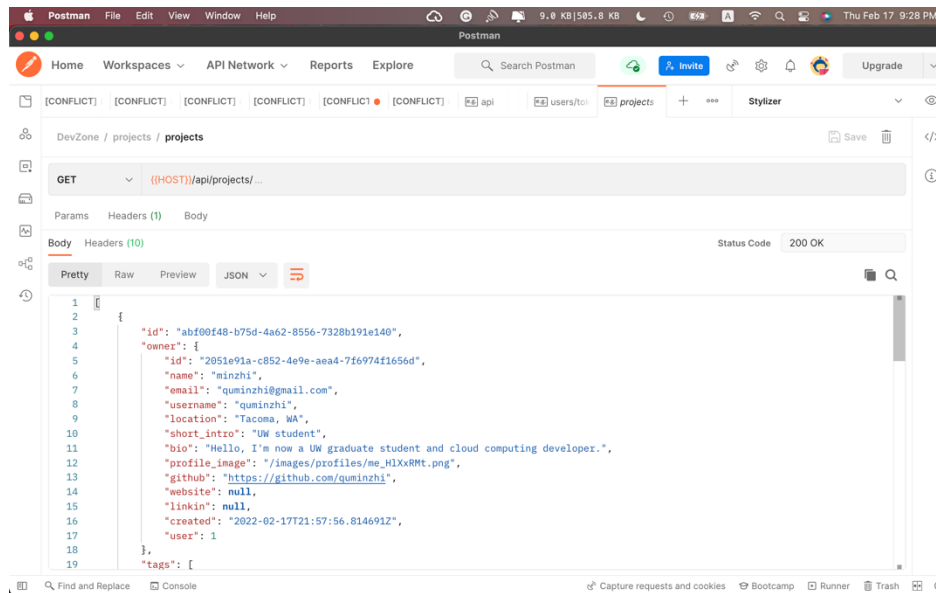

We will illustrate how to get information of projects (read), to update vote for each project (update), to create and delete tags associated with each project with REST APIs.
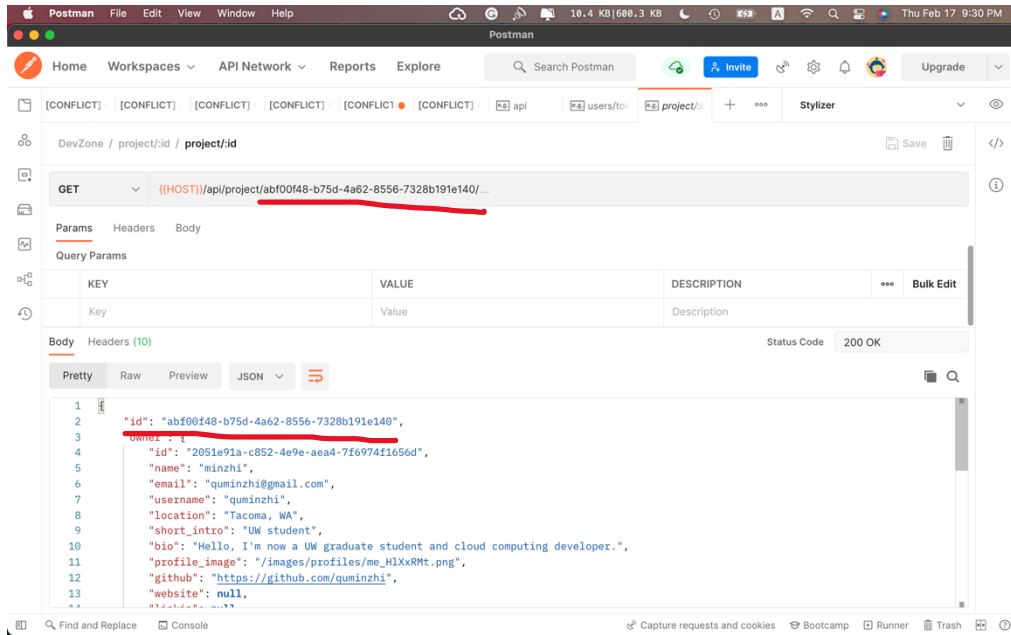
1. GET

- use `3.16.48.163/api/` to get api information.

- get all information of projects
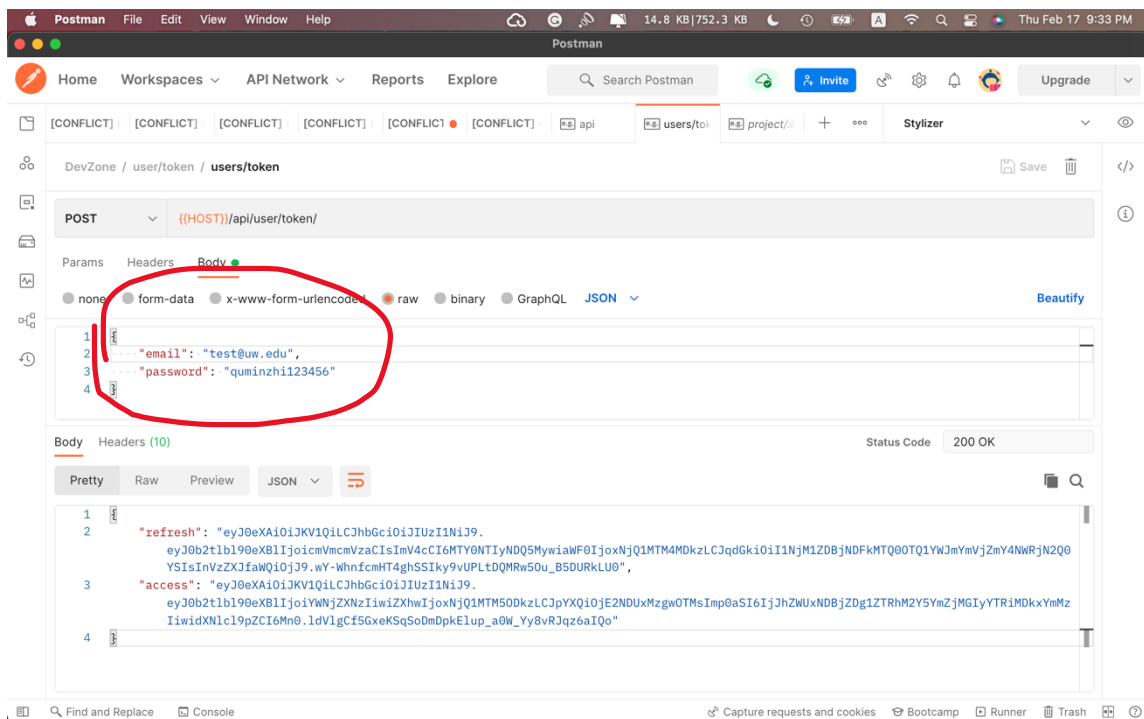
- get info of a specific project

2. POST

Because the system is token-based, you can register your own account or use a test account for obtaining a token for testing.

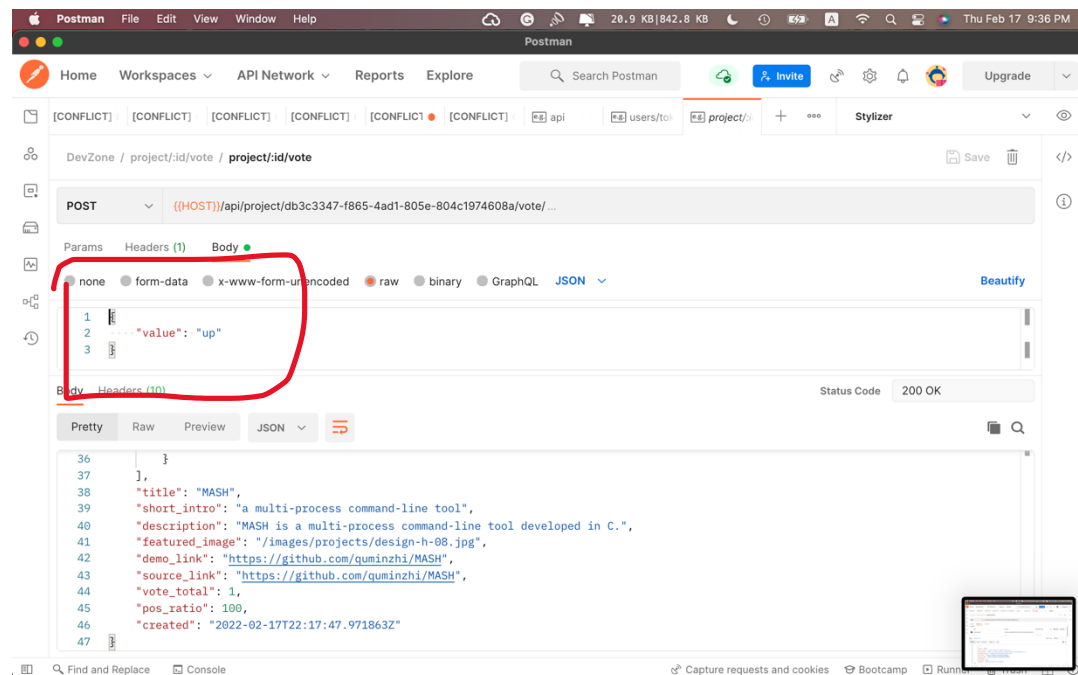**Host IP: 3.16.48.163**, if you want to play with it.

Test Account: test@uw.edu

Password: quminzhi123456

- Get token with the test account
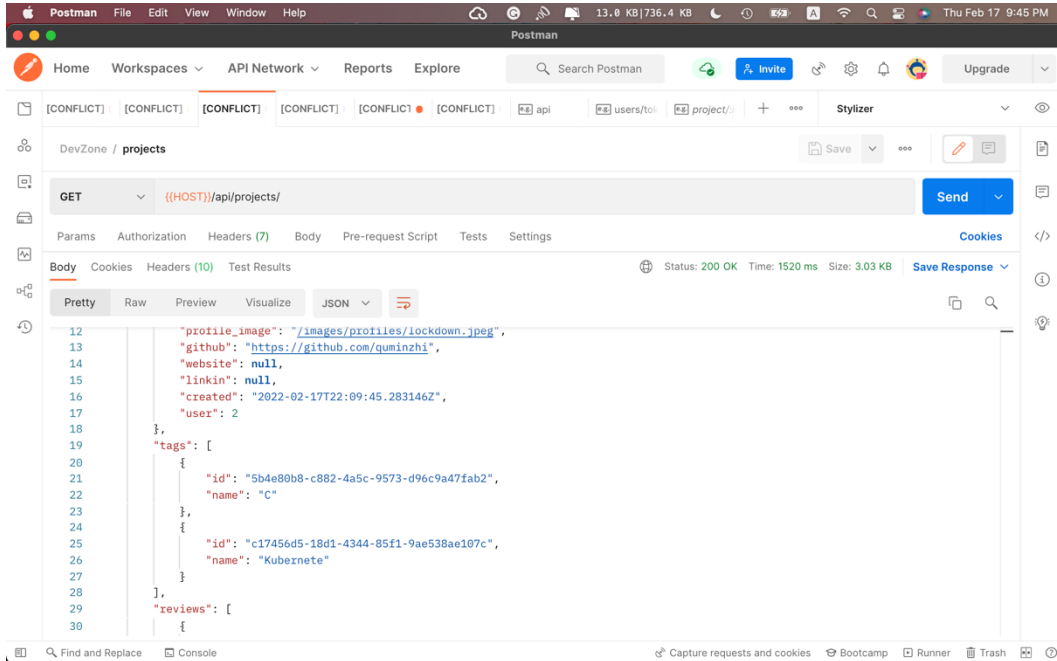
- Update vote for a specific project

Do not forget to add the token in Header and add key-value in Body as shown below
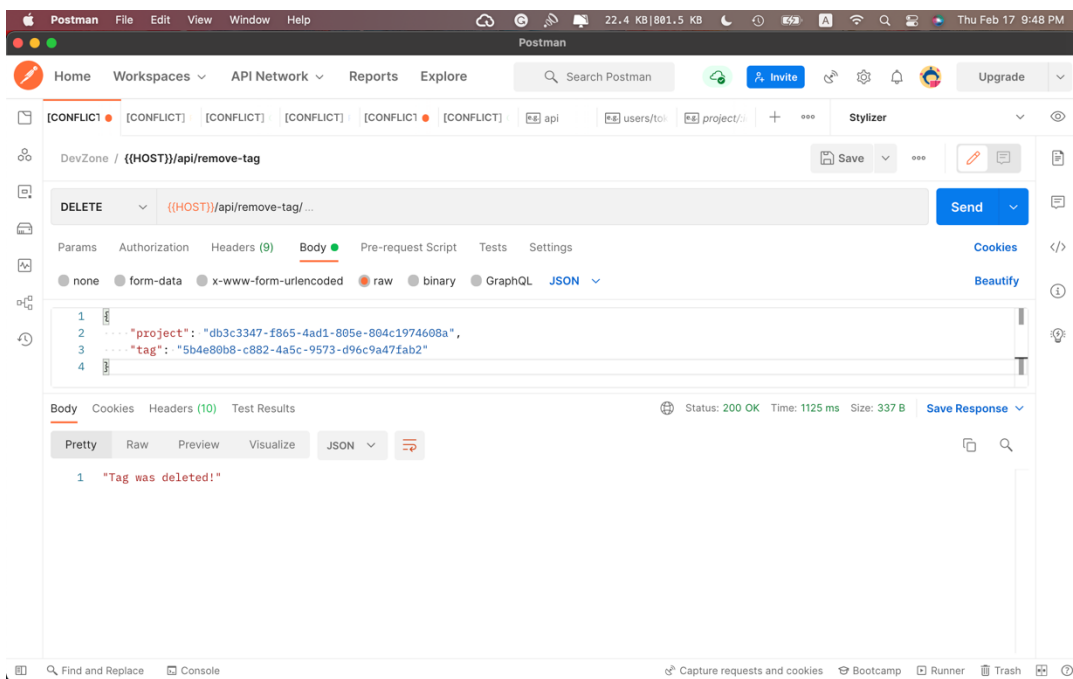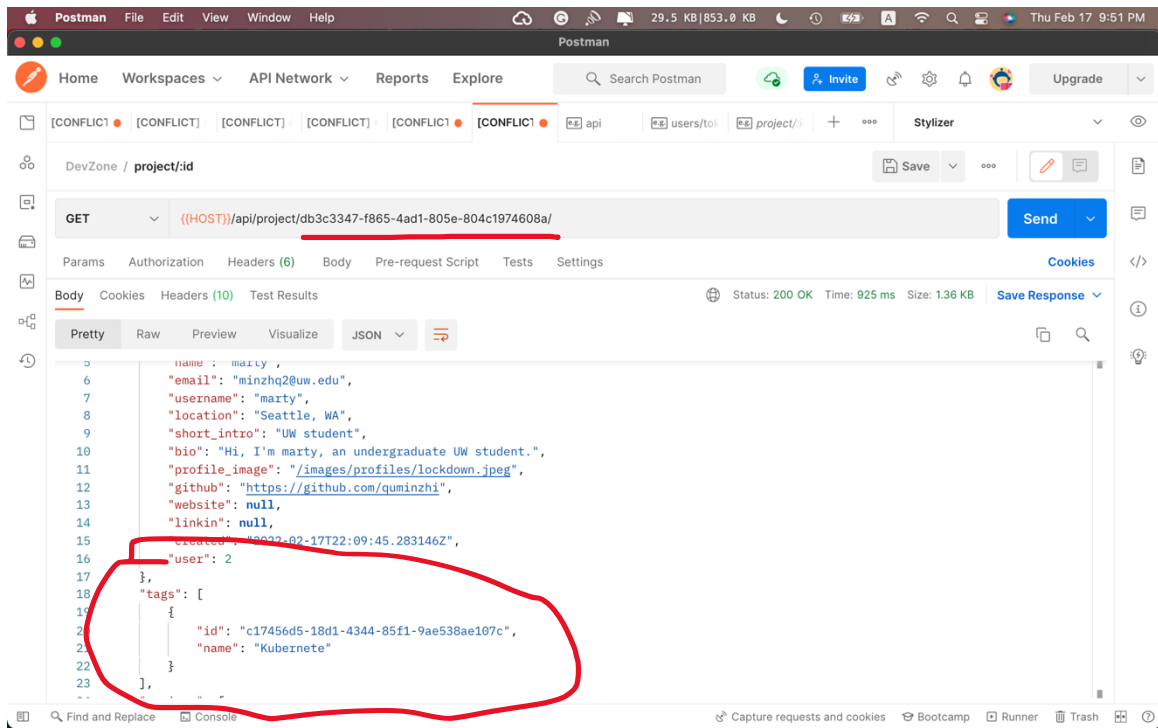
3. DELETE (token required)

We will delete tag for project with id: db3c3347-f865-4ad1-805e-804c1974608a
which has two tags (C and Kubernetes) as shown below

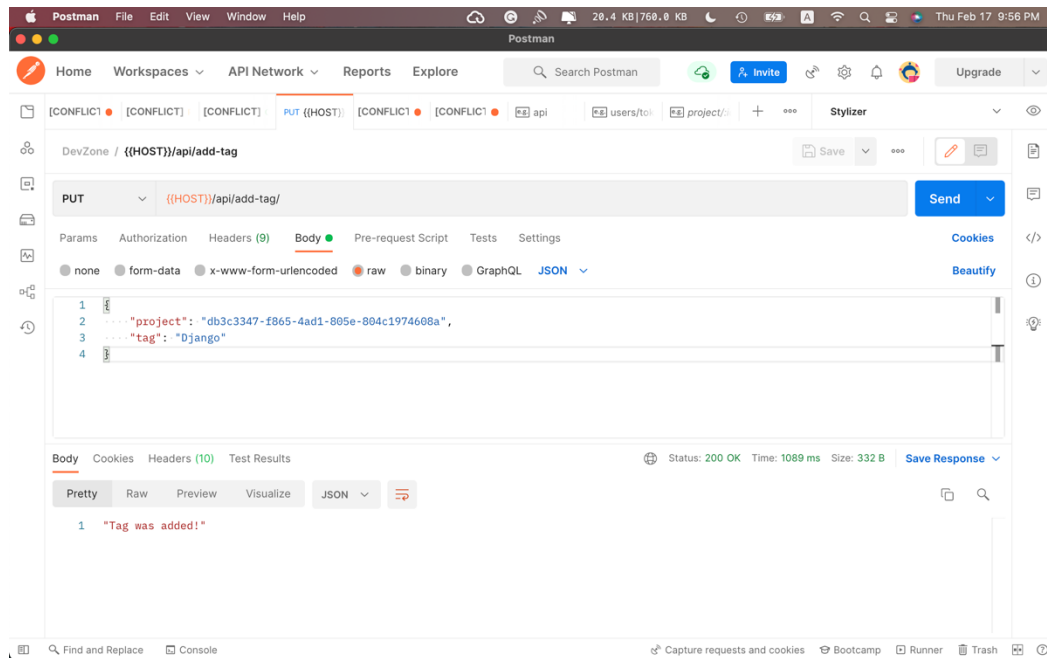- Delete tag C (5b4e80b8-c882-4a5c-9573-d96c9a47fab2)
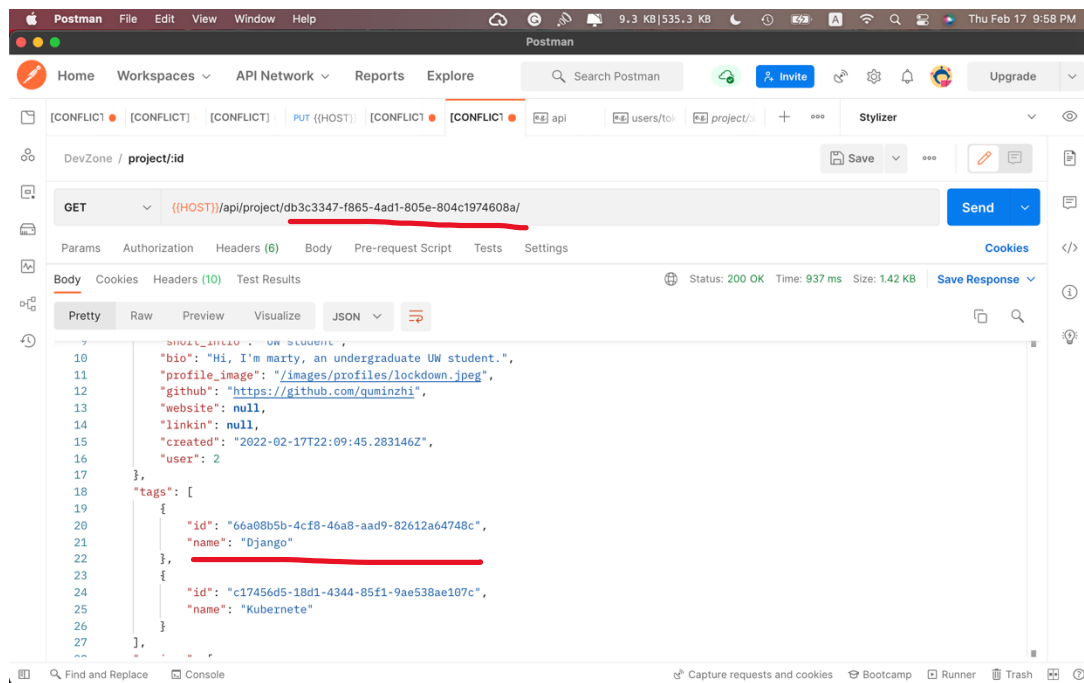
Check if tag C is deleted,

As shown in the screenshot, the tag C is deleted.

4. PUT (token required)

- Create tag Django for the project db3c3347-f865-4ad1-805e-804c1974608a

Check if tag Django is added to the project

Great, Django is added as a new tag for the project.