CODE GRAPGERS PYTHON TEST TASK

Create a flask API using flask-restful and Postgres DB.

API-Endpoints:

User APIs: -

- **Register User: -**

  http://127.0.0.1:5000/signUp

  It is used to register new users. Variable required for signUp first name (required), last name, email (required, unique and email validation), username (required and unique) password (required and at least 10 characters validation).

- **SigIn User: -**

  http://127.0.0.1:5000/signIn

  It is used for login into the system by using basic Authentication method and generate jwt and refresh token to the user to access the remaining api's. Variable required username and password.

- **Refresh Token: -**

  http://127.0.0.1:5000/refresh

  It is used to refresh the jwt token when it expires (1 hour). So, user not need to login again and again in a day. Refresh token is set in cookies after signIn into the system. And refresh token will expire after 1 day.

Jobs APIs: -

You need the jwt token to access the below apis.

- **Add Job: -**

  http://127.0.0.1:5000/jobs

  It is used to add new jobs. Variable are job title, job description, job rate, latitude, longitude, is active(for soft delete), user_id (from jwt_token), job created, job updated.

- **Update Job: -**

  http://127.0.0.1:5000/jobs/6

  It is used to update the old jobs by its ID. It could be full update or partial update.

- **Soft Delete Job: -**

  http://127.0.0.1:5000/jobs/4

  It is used to delete a job by its ID. It would change the "is active" flag in the DB.

- **Hard Delete Job: -**

  http://127.0.0.1:5000/jobs/del/4

  It is used to complete delete of the job from DB by its ID.

- **Get Jobs: -**

  http://127.0.0.1:5000/jobs

  It is used to get all jobs from the DB.

  http://127.0.0.1:5000/jobs?id=2

  It is used to filter by job ID.

  http://127.0.0.1:5000/jobs?lat=32.3915&longi=74.4342&kilometer=15

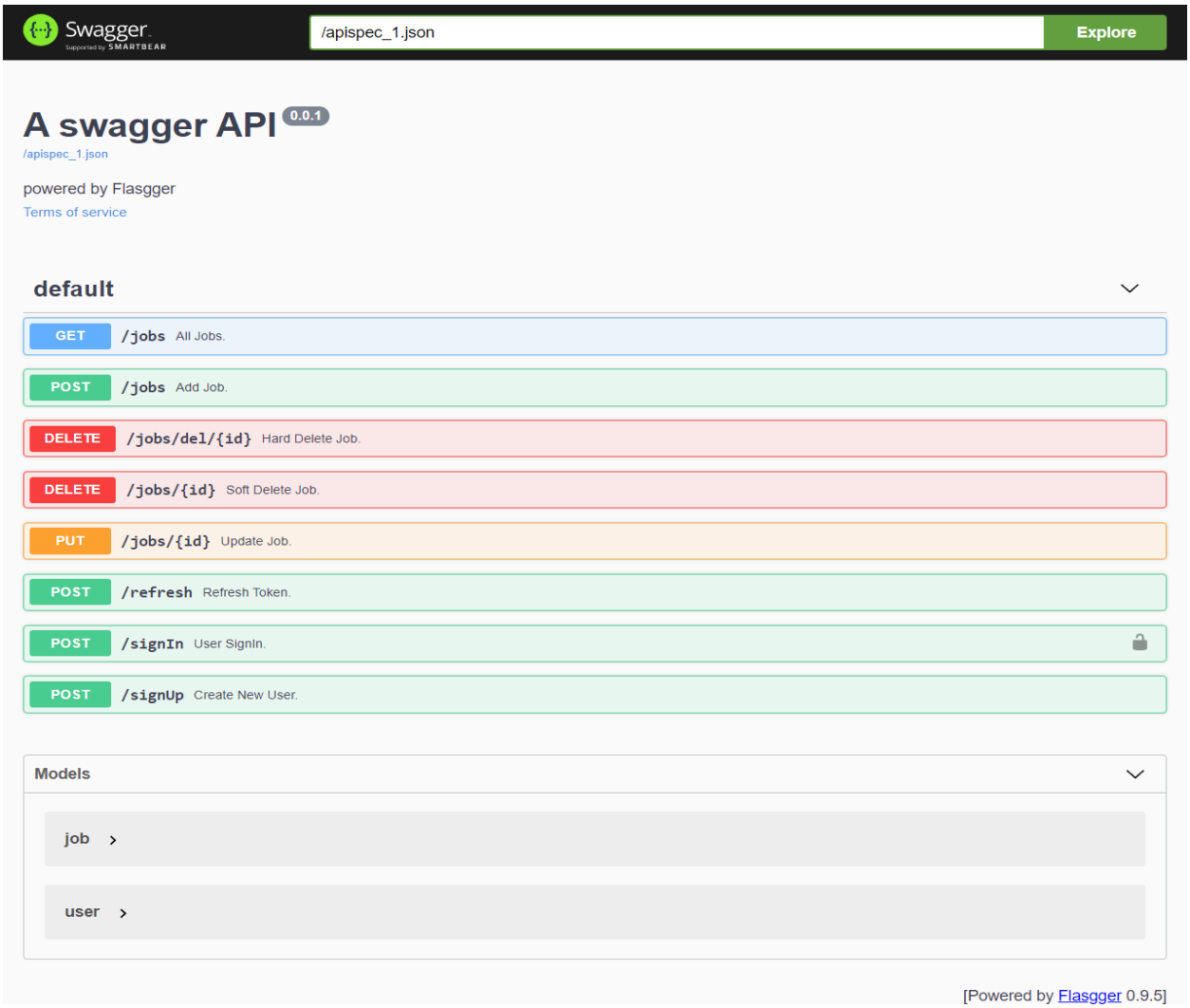
  It is used to filter jobs by user's location and its radius given by users lat, long and kilometer.

Swagger Documentation: -

I also made swagger documentation of that API. You can access it from that:

http://localhost:5000/apidocs/

- **Screenshot:-**



Unit Testing: -

I also write the basic unit testing of the above APIs. You can see that in the github repo.

Dumi API Frontend: -

I also write the Dumi frontend of the above APIs. You can see that in the github repo.

GitHub Repo Link: -

https://github.com/Muhammad-Akhlaq/Jobs-API-Using-Flask-And-Postgres

Regards,

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