API Documentation

Host can be *localhost:8000* or *<docker_network_ip>:8000*

For example:
Http request with localhost: *http://localhost:8000/*
Result is shown in Fig 1.

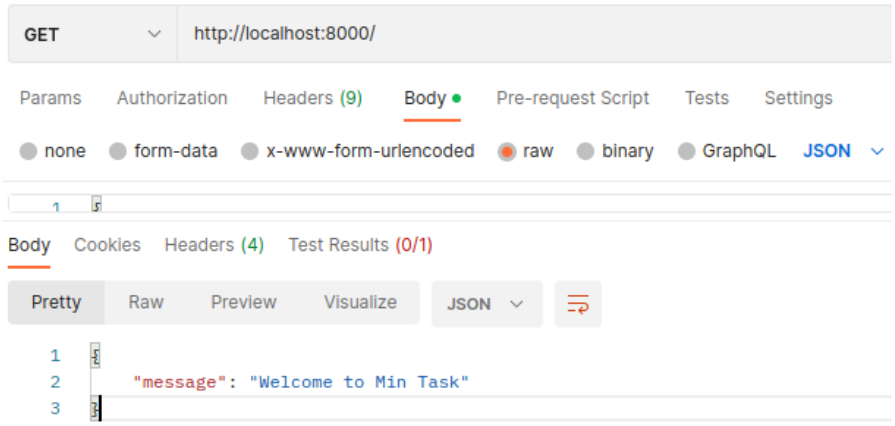

Fig 1. API root call with localhost

My docker network ip is 192.168.48.1, thus the http request is *http://192.168.48.1:8000*
Result is shown in Fig 2.

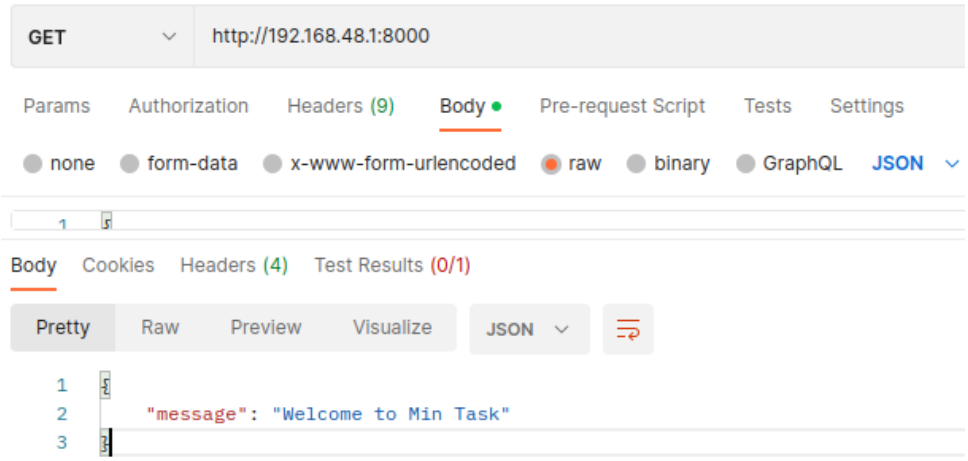

Fig 2. API root call with docker network ip

Task 1:
Upload tsv file to convert csv.
I do not know how to upload tsv file to postman. So I will just manual input with /docs# as shown in Fig 3.

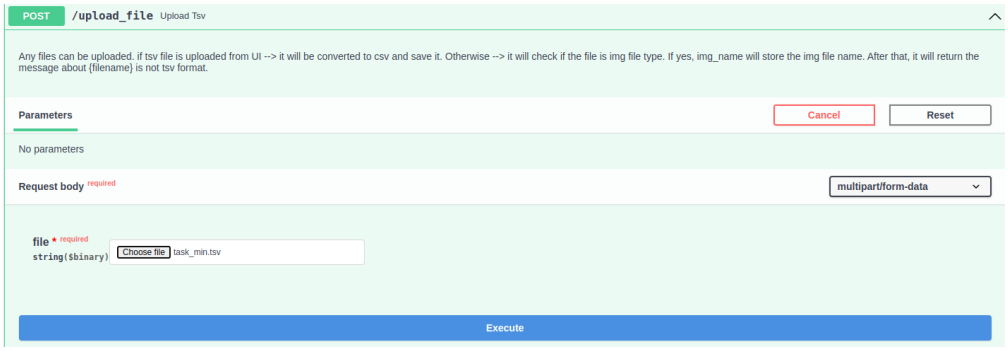

Fig 3. Uploading tsv file

The http **post** req is *“http://192.168.48.1:8000/upload_file”.*
The http **get** req for download is *“http://192.168.48.1:8000/download”.*

When I execute the http reqs, it will show results as shown in Fig 4, 5 and 6.

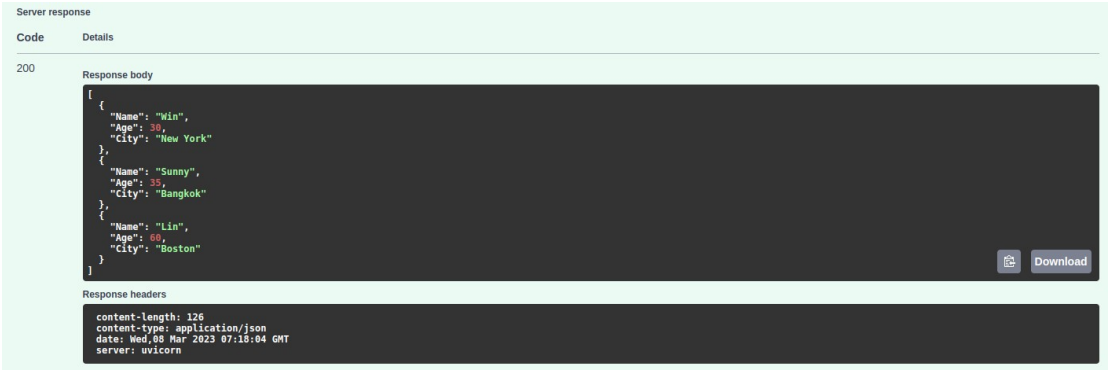

Fig 4. Response of task 1 after uploading tsv fil

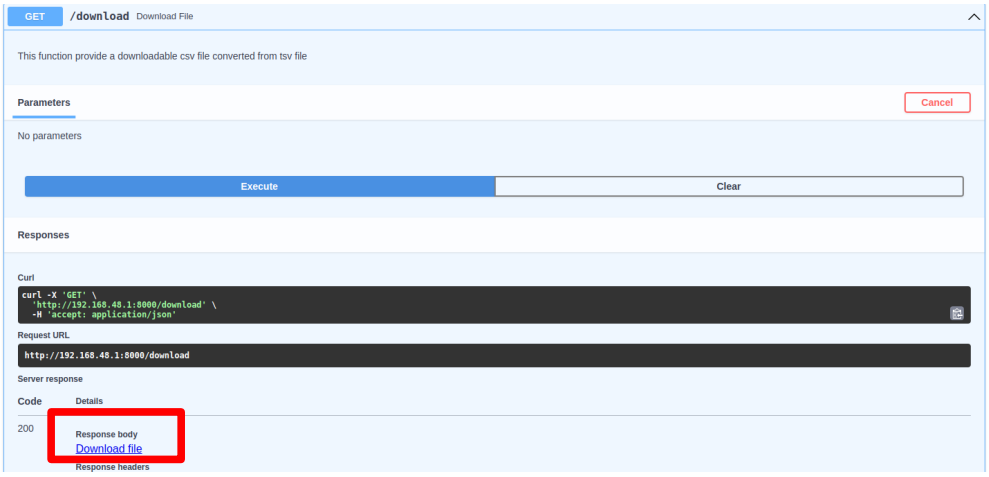

Fig 5. Download link for csv file after uploading tsv file

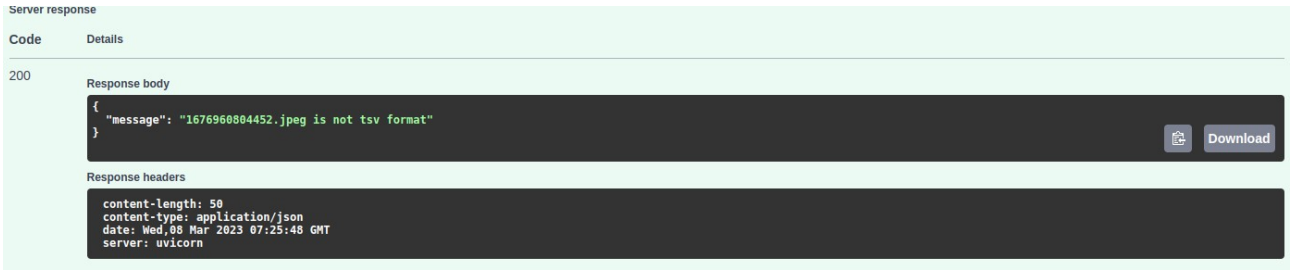

Fig 6. Response of task 1 after uploading other file format (not tsv file)

Task 2:
This task I use the function and post request of task 1.
The http **post** req for uploading image file is *"http://192.168.48.1:8000/upload_file".*
The http **post** req for bounding box input is *http://192.168.48.1:8000/get_bounding_box?x_topleft=0&y_topleft=0&width=200&height=200*

If the bounding box fit to the image size, the result is as shown in Fig 7.

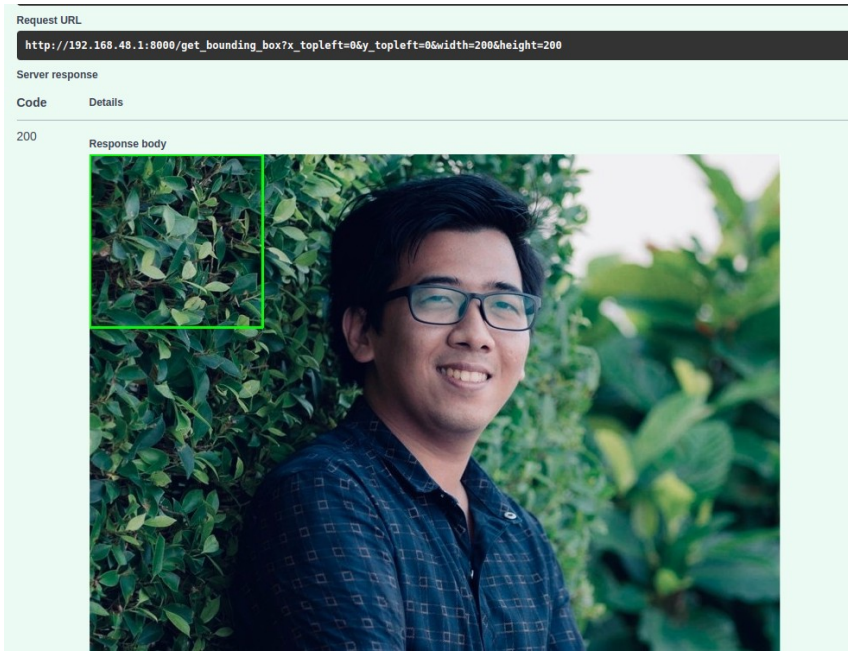

Fig 7. Bounding Box on image

If the bounding box doe not fit to the image size, the result is as shown in Fig 8.

Fig 8. Bounding box input does not fit on image

Task 3:
The http **post** req is *http://192.168.48.1:8000/input_name?name={user_input}*

Example 1:
if my name is add -> only available with my nick name “min” or full name “min khant soe”
http **post** req : *http://192.168.48.1:8000/input_name?name=Min Khant Soe*
Result is shown in Fig 9.

Fig 9. Sample response for task 3 when input is my name

Example 2:
http **post** req : *http://192.168.48.1:8000/input_name?name=min*
Result is shown in Fig 10.

Fig 10. Another sample response for task 3 when input is my name

Example 3:
If the user input is not my name,
http **post** req : *http://192.168.48.1:8000/input_name?name=Min Khant Soe*
Result is shown in Fig 11.

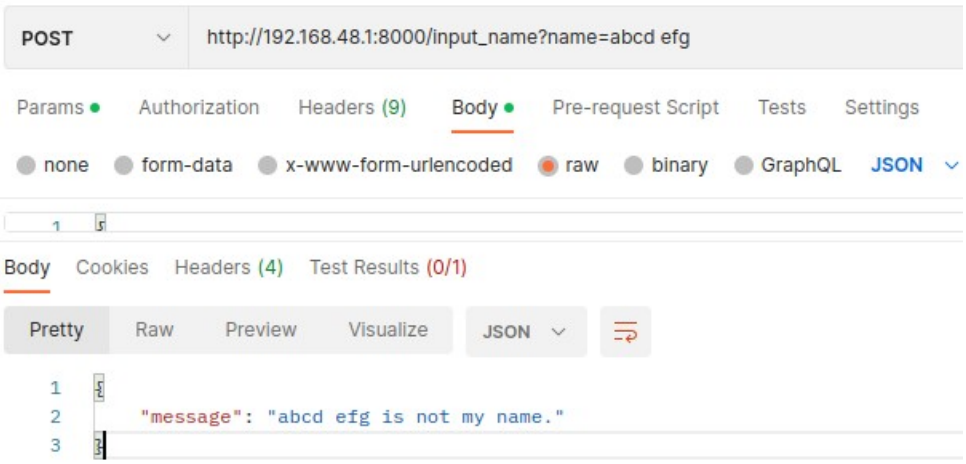

Fig 11. Sample response for task 3 when input is not my name