

Assignment-2

Specification

Make Submission

Check Submission

Collect Submission

REST API for Actor/Actress

In this assignment, you are asked to develop a Flask-Restx data service that allows a client to read and store information about actors/actresses, and allows the consumers to access the data through a REST API.

The assignment is based on The TV Maze API, which provides a detailed list of TV shows and people. You can explore the TVmaze API using the following links

- The source URL: (<http://api.worldbank.org/v2/>) <http://api.tvmaze.com/> (<http://api.tvmaze.com/>)
- (<http://api.worldbank.org/v2/>) Documentations on API Call Structure: <https://www.tvmaze.com/api> (<https://www.tvmaze.com/api>)

***Disclaimer: We are using an extremal API provided by TV Maze (<https://www.tvmaze.com/>). We want the students to interact with real-life web services to add to the learning experience and hence we are not responsible nor liable for the wording or inclusion/exclusion of entities and descriptions within the API. This is a "building your REST API" exercise and should be treated as such.

In this assignment, you are going to use the information provided in this API and add a few functionalities as listed below:

Assignment Specification

Question-1: Add a new Actor (3 marks)

This operation can be considered as an on-demand 'import' operation to get the details of an actor to store them in your application. The service will download the JSON data for the given actor/actress (by its name) ; You must use **SQLite** for storing the data (the name of

the database should be **YOURZID.db**) locally after importing the actor .

You can use the following to query the API: [https://api.tvmaze.com/search/people?q=?](https://api.tvmaze.com/search/people?q=)
([https://api.tvmaze.com/search/people?q=?](https://api.tvmaze.com/search/people?q=))

For example, you can check the following query: <https://api.tvmaze.com/search/people?q=Brad%20Pitt> (<https://api.tvmaze.com/search/people?q=Brad%20Pitt>)

To Add an actor, your API accepts a query parameter called "name".:

- **name** : name of an actor/actress

After importing the collection, the service should return a response containing at least the following information:

- **id** : a unique integer identifier automatically generated (this might be different than actor ID in tvmaze API)
- **last-update** : the time the collection is stored in the database
- **_links** : the URL with which the imported collection can be retrieved (as shown in below example)

Important : For this assignment , you are asked to access the given Web content programmatically. Some Web hosts do not allow their web pages to be accessed programmatically, some hosts may block your IP if you access their pages too many times. During the implementation, download a few test cases and access the content locally - try not to perform too many HTTP requests programmatically. Check the documentation of the tvmaze API to get insights about their rate-limiting policy.

Example:

```
POST /actors?name=brad pitt
```

An example response [This is not what you store in DB, it is the call's response]

: 201 Created

```
{
  "id" : 123,
  "last-update": "2021-04-08-12:34:40",
  "_links": {
    "self": {
      "href": "http://[HOST_NAME]:[PORT]/actors/123"
    }
  }
}
```

- You must import an actor (e.g, Brad Pitt) if only the given name fully matches ("brad pitt", "brad-pitt", "Brad pitt" all match each other but they should not match a name like "bard pit"). Be noted that the TVMaze API provides a fuzzy search and hence

tolerates typos, capital/small, dashes...etc. and at the same time provides more results than the exact name. You should only import the matching one (ignoring cases, and any character except the English alphabet, **SPACE**, and numbers) . If there are a few actors with the same exact name, you need to only import one of them (any)

Hint: before sending the name to tvmaze API, replace all non-English characters (e.g., , - _ , ?) with Space and then send it to the API; as such "brad pit-t" will be converted to "brad pit t" and this will not match "brad pitt". Dot not make this very complicated; we are not expecting you handle all exceptions, etc. Keep is as simple as mentioned here in the spec.

- What and how you store the data in DB is up to you, but take a look at the rest of the questions to know what attributes you need to keep for each Actor. At least you need to store: "name", "country", "birthday", "deathday", "gender", and a list of his/her "shows". When you are importing an actor, you should also store all his/her "shows". For this, you need to explore "TVmaze" API to see how you can automatically get such a list.
- You should never change an ID of a resource (do not update ids)
- You should replace [HOST_NAME]:[PORT] with correct values
- A brief description about _links here: <https://developer.wordpress.org/rest-api/using-the-rest-api/linking-and-embedding> (<https://developer.wordpress.org/rest-api/using-the-rest-api/linking-and-embedding/>) /

Question 2 - Retrieve an Actor (1.5 marks)

This operation retrieves an actor by their ID (the ID that is generated by your application) . The response of this operation will show an actor's details. Please see the provided response example below to see what attributes should be included in the response. "_links" gives the links for previous, next, and current resources if they exist . The next and previous resources are based on the sequential ID generated by your application.

The interface should look as like below:

```
GET /actors/{id}
```

Example Response returns: 200 OK

```
{
  "id": 124,
  "last-update": "2022-03-08-12:34:40",
  "name": "Some One",
  "country": "Australia",
  "birthday": "22-05-1987",
  "deathday": null,
  "shows": [
    "show 1",
    "show 2",
    "show 3"
  ],
  "_links": {
    "self": {
      "href": "http://[HOST_NAME]:[PORT]/actors/124"
    },
    "previous": {
      "href": "http://[HOST_NAME]:[PORT]/actors/123"
    },
    "next": {
      "href": "http://[HOST_NAME]:[PORT]/actors/125"
    }
  }
}
```

Question 3- Deleting an Actor (1.5 marks)

This operation deletes an existing actor from the database. The interface should look like as below:

```
DELETE /actors/{id}
```

Returns: 200 OK

```
{
  "message" : "The actor with id 134 was removed from the database!",
  "id": 134
}
```

Question 4 - Update an Actor (2 marks)

This operation partially updates the details of a given Actor.

The interface should look like the example below:

```
PATCH /actors/{id}
{
  "name": "Some One",
  "country": "Australia",
  "birthday": "22-05-1987",
  "deathday": null
}
```

The above payload is just an example; it can contain any of the actors' attributes. Take a look at the example response in Question 2 to know the existing attributes.

Returns: 200 OK

```
{
  "id" : 123,
  "last-update": "2021-04-08-12:34:50",
  "_links": {
    "self": {
      "href": "http://[HOST_NAME]:[PORT]/actors/123"
    }
  }
}
```

Question 5 - Retrieve the list of available Actors (4 marks)

This operation retrieves all available actors. The interface should be:

```
GET /actors?order=<CSV-FORMATED-VALUE> & page=1 & size=10 & filter=<CSV-FORMAT
```

All four parameters are optional with default values being "order=+id", "page=1", and "size=10", filter="id,name". "page" and "size" are used for pagination; "size" shows the number of actors per page. "order" is a comma-separated string value to sort the list based on the given criteria. The string consists of two parts: the first part is a special character '+' or '-' where '+' indicates ordering ascendingly, and '-' indicates ordering descendingly. The second part is an attribute name which is one of {id, name, country, birthday, deathday, last-update}. Here are some sample values of "order" :

+name,+id order by "name ascending" and "id ascending"

In this case, sorting by "name" has priority over "id". This is similar to SQL order by clause :

" name ASC, id ASC "

- country order by "country descending"

"filter" is also another comma-separated value (id, name, country, birthday, deathday, last-update, shows), and shows what attribute should be shown for each actor accordingly. Take a look at the following example:

```
GET /actors?order=+id&page=1&size=10&filter=id,name
```

All four parameters are optional with default values being "order=+id", "page=1", and "size=10", "filter=id,name"

Returns: 200 OK

```
{
  "page": 1,
  "page-size": 10,
  "actors": [
    {
      "id" : 1,
      "name" : "Brad Pitt"
    },
    {
      "id" : 2,
      "name" : "Angelina Jolie"
    },
    ...
  ],
  "_links": {
    "self": {
      "href": "http://[HOST_NAME]:[PORT]/actors?order=+id&page=1&size=10&f
    },
    "next": {
      "href": "http://[HOST_NAME]:[PORT]/actors?order=+id&page=2&size=10&f
    }
  }
}
```



Question 6 - get the statistics of the existing Actors (3 marks)

This operation accepts a parameter called "format" which can be either "json" or "image". Depending on the format your operation should provide the following information: In case when the format is an image, your operation should return an image (can be in any image format) and the image illustrates the requested information in a visualization (apply all your knowledge when creating the visualization such as choosing appropriate visualization type and making sure that it is human-readable, clear, and informative).

- Actors break down by an attribute determined by the "by" parameter (a comma-separated value); this parameter can be any of the following Actors' attributes: "country" (showing the percentage of actors per country), "birthday", "gender", and "life_status" (represents what percentages of actors are alive). You may decide to use different types of charts based on the given attribute.
- Total Number of actors
- Total Number of actors updated in the last 24 hours
- UPDATE: Both parameters are required

The interface should look as below when the format is JSON:

```
GET /actors/statistics?format=json&by=country,gender
```

Returns: 200 OK

```
{
  "total": 1241,
  "total-updated": 24,
  "by-country" : { "Australia": 60.7, "USA": 19.2, ... },
  "by-gender" : { "Male": 48.6, "Femail": 51.4}
}
```

Notice:

- You can only use the libraries (latest versions) used in the Labs
- TVMAZE API is only used in Question 1 for importing a new actor. The rest of the operations rely on the existing actors in your local database
- There is no template code for this assignment, your submission should stick to the assignment specifications.
- Your submission will be marked manually.
- You should adhere to the best design guidelines for REST API mentioned in the lecture (e.g., appropriate responses based on JSON format with proper status codes, full API documentation: the generated Swagger should be fully self-explanatory with operation summary, parameter descriptions, default values).

- You should consider cases such as invalid titles or any invalid attempts to use the endpoint (e.g. If the input title doesn 't exist in the data source, return error 404)
- You should return appropriate responses (JSON) in case of already imported collections
- Your code must be implemented in **flask-restx** and automatically generate swagger doc for testing the endpoints.
- Your code must be executable in CSE machines
- Your code must not require installing any software (python libraries are fine)
- Your code must be written in Python 3.5 or newer versions.
- Your operations (API methods) must return appropriate responses in JSON format, and appropriate HTTP response code! e.g., **500 Internal Server Error** is an inappropriate response!
- Make sure you are using the right datatypes in the database and in your API methods (e.g., not string for years '2017')
- Some of the responses of some operations contain "_links", depending on the response this should include links to "self", "next", and "previous" resources.

FAQ:

- **What is the date-time format?**
You can use any format (human-readable), but it should be the case for all date/time values, including birthday, last updated
- **How can I get an actor's SHOWs?**
This is part of the assignment, and you should explore the API and find a way to link actors and shows
- **What libraries can I use?**
You can use all libraries imported in any labs, plus SQLAlchemy
- **Can API users update ID, links, and Last-update time?**
No, these attributes are not editable by the user. An ID should be never changed, links and last-update fields are not part of an actor's attribute.

Submission:

- The Deadline is **Monday the 4th of April 2022 20:00**
- One and only one Python script file named " YOUR_ZID .py" which contains your code
- **How I can submit my assignment?**
Go to the assignment page click on the "Make Submission" tab; pick your files which must be named "YOUR_ZID.py". Make sure that the files are not empty, and submit the files together.
- **Can I submit my file after the deadline?**
Yes, you can. But 5% of your assignment will be deducted as a late penalty per day. No late submission is accepted after 5 days.

Plagiarism

This is an *individual assignment*. The work you submit must be your own work. Submission of work partially or completely derived from any other person or jointly written with any other person is not permitted. The penalties for such offense may include negative marks, automatic failure of the course, and possibly another academic discipline. Assignment submissions will be examined manually.

Do not provide or show your assignment work to any other person - apart from the teaching staff of this course. If you knowingly provide or show your assignment work to another person for any reason, and work derived from it is submitted, you may be penalized, even if the work was submitted without your knowledge or consent. Pay attention that it is **also your duty to protect your code artifacts**. If you are using an online solution to store your code artifacts (e.g., GitHub) then make sure to keep the repository private and do not share access to anyone.

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- Plagiarism and Academic Integrity (<https://student.unsw.edu.au/plagiarism>)
- UNSW Plagiarism Procedure (<https://www.gs.unsw.edu.au/policy/documents/plagiarismprocedure.pdf>)

Make sure that you read and understand this. Ignorance is not accepted as an excuse for plagiarism. In particular, you are also responsible for ensuring that your assignment files are not accessible by anyone but you by setting the correct permissions in your CSE directory and code repository, if using one (e.g., Github and similar). Note also that plagiarism includes paying or asking another person to do a piece of work for you and then submitting it as your own work.

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Resource created 24 days ago (Friday 11 March 2022, 03:20:24 PM), last modified 6 days ago (Wednesday 30 March 2022, 07:37:04 AM).

Comments

 /COMP9321/22T1/forums/search?forum_choice=resource/73777

 </COMP9321/22T1/forums/resource/73777>

 Add a comment



Wanxiao Huang (/users/z5222629) [about an hour ago \(Mon Apr 04 2022 19:40:26 GMT+0800 \(中国标准时间\)\)](#)

Hi, do we need to submit our own database?

Reply



Yingchen Nie (/users/z5211173) [about 4 hours ago \(Mon Apr 04 2022 17:14:11 GMT+0800 \(中国标准时间\)\)](#)

Hi, when testing on cse machines, should we try to log both windows (one for the app and one for sending requests) onto the same node (e.g. both on wagner) for the requests to be delivered?

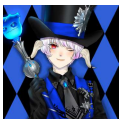
I had one window for the app on wagner, the other for curl requests on weill, and curl commands led to the error below:

```
curl: (7) Failed to connect to 127.0.0.1 port 5000: Connection
```

Anyone know why that is?

Thanks for any help

Reply



Haoyu Yang (/users/z5223796) [about 4 hours ago \(Mon Apr 04 2022 16:46:47 GMT+0800 \(中国标准时间\)\)](#)

hi i found that my cse vlab need to run this command `pip install flask_sqlalchemy --upgrade` before run the code. Is this fine?

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) [about 4 hours ago \(Mon Apr 04 2022 17:00:33 GMT+0800 \(中国标准时间\)\)](#)

no problem

Reply



Yiyun Gao (/users/z5282029) [about 5 hours ago \(Mon Apr 04 2022 15:33:37 GMT+0800 \(中国标准时间\)\)](#), last modified [about 2 hours ago \(Mon Apr 04 2022 18:56:14 GMT+0800 \(中国标准时间\)\)](#)

Hello,

I have question about port.

Is there any requirement for port selection?

I used the default port 5000 when writing on my own computer, but the default port is often occupied in the vlab environment, so I modified the port I used .

Can we set the port ourselves or just use the default port ?

Best,

Yiyun Gao

Reply



William Huang (/users/z5205986) about 7 hours ago (Mon Apr 04 2022 14:22:56 GMT+0800 (中国标准时间))

Hi, I tried to install packages manually locally on the cse machine and I get this issue? How do you fix this? Thanks

```
uxterm
cal/lib/python3.7/site-packages (1.0.2)
ERROR: Could not install packages due to an EnvironmentError: [Errno 2] No such
file or directory: '/tmp_amd/cage/export/cage/4/z5205986/.local/lib/python3.7/si
te-packages/Flask-1.0.2.dist-info/METADATA'

z5205986@vx5:/tmp_amd/cage/export/cage/4/z5205986/Downloads$ pip3 install flask_
restx
Collecting flask_restx
  Downloading flask_restx-0.5.1-py2.py3-none-any.whl (5.3 MB)
    |████████████████████| 5.3 MB 24.6 MB/s
Requirement already satisfied: pytz in /usr/lib/python3/dist-packages (from flas
k_restx) (2019.1)
Collecting aniso8601>=0.82
  Downloading aniso8601-9.0.1-py2.py3-none-any.whl (52 kB)
    |████████████████████| 52 kB 8.0 MB/s
Requirement already satisfied: jsonschema in /usr/lib/python3/dist-packages (fro
m flask_restx) (2.6.0)
Requirement already satisfied: six>=1.3.0 in /usr/local/lib/python3.7/dist-packa
ges (from flask_restx) (1.16.0)
Requirement already satisfied: werkzeug!=2.0.0 in /tmp_amd/cage/export/cage/4/z5
205986/.local/lib/python3.7/site-packages (from flask_restx) (0.15.2)
Requirement already satisfied: Flask!=2.0.0,>=0.8 in /tmp_amd/cage/export/cage/4
/z5205986/.local/lib/python3.7/site-packages (from flask_restx) (1.0.2)
ERROR: Could not install packages due to an EnvironmentError: [Errno 2] No such
file or directory: '/tmp_amd/cage/export/cage/4/z5205986/.local/lib/python3.7/si
te-packages/Flask-1.0.2.dist-info/METADATA'

z5205986@vx5:/tmp_amd/cage/export/cage/4/z5205986/Downloads$ python3 z5205986.py
Traceback (most recent call last):
  File "z5205986.py", line 2, in <module>
    from flask import Flask, Response, request
  File "/usr/lib/python3/dist-packages/flask/__init__.py", line 17, in <module>
    from werkzeug.exceptions import abort
  File "/import/cage/4/z5205986/.local/lib/python3.7/site-packages/werkzeug/__in
it__.py", line 233, in <module>
    __import__("werkzeug.exceptions")
ModuleNotFoundError: No module named 'werkzeug.exceptions'
z5205986@vx5:/tmp_amd/cage/export/cage/4/z5205986/Downloads$
```

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) about 6 hours ago
(Mon Apr 04 2022 14:33:49 GMT+0800 (中国标准时间))

remove werkzeug, and install:
pip install flask-restx --upgrade (with dash)

Reply



William Huang (/users/z5205986) about 6 hours ago (Mon Apr 04 2022 14:41:56 GMT+0800 (中国标准时间))

thanks that worked!

Reply



Kelvin Khorn (/users/z5342545) about 7 hours ago (Mon Apr 04 2022 14:19:09 GMT+0800 (中国标准时间))

Hi does anyone know what these are? Are these malicious attacks on my server or something?

I just left my server running and went for a walk these requests aren't sent from my localhost server.

Thank you.

[illegible]

Reply



William Huang (/users/z5205986) about 6 hours ago (Mon Apr 04 2022 14:42:30 GMT+0800 (中国标准时间))

i got that too in cse machine using firefox but I think switching to chrome fixed it?

Reply



Unknown Silvia (/users/z5386349) about 7 hours ago (Mon Apr 04 2022 13:51:28 GMT+0800 (中国标准时间)), last modified about 7 hours ago (Mon Apr 04 2022 13:51:37 GMT+0800 (中国标准时间))

Hello, it's not specified but may I include gender for qn2, 3, 4, 5? or is it strictly only to be included on qn6?

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) about 7 hours ago (Mon Apr 04 2022 14:27:17 GMT+0800 (中国标准时间))

Yes, you can

Reply



Haiyue Zhang (/users/z5344360) about 8 hours ago (Mon Apr 04 2022 13:25:16 GMT+0800 (中国标准时间))

Is that ok for us to set the birthday as Column(String), thanks.

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) about 7 hours ago (Mon Apr 04 2022 13:52:16 GMT+0800 (中国标准时间))

Up to you how to store it in DB

Reply



William Huang (/users/z5205986) about 8 hours ago (Mon Apr 04 2022 13:09:38 GMT+0800 (中国标准时间)), last modified about 8 hours ago (Mon Apr 04 2022 13:12:25 GMT+0800 (中国标准时间))

Hi, I am trying to run my code on CSE machines and I encounter this error

ModuleNotFoundError: No module named 'werkzeug.exceptions'

From flask, import, Flask, Response, request

from werkzeug.exceptions import abort

I didn't import this exceptions library. I imported these:

```
import io

from flask import Flask, Response, request

import requests

from flask_restx import Resource, Api, fields

import sqlite3

import json

from datetime import datetime

import matplotlib.pyplot as plt

from matplotlib.backends.backend_agg import FigureCanvasAgg as
FigureCanvas

from matplotlib.figure import Figure
```

Do CSE machines have everything preinstalled or do I have to pip install things manually to test? These are my imports. Are they okay? Thanks

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) [about 8 hours ago](#)
(Mon Apr 04 2022 13:22:06 GMT+0800 (中国标准时间))

Most probably you are having a newer version of "wekzeug" which is not compatible with the flask-restx.

Install older versions of the "wekzeug" library, and your issue should be solved

Reply



William Huang (/users/z5205986) [about 7 hours ago](#) (Mon Apr 04 2022 13:38:50 GMT+0800 (中国标准时间))

I also didn't import wekzeug at all so I don't know why I am getting this issue?

Reply

Mohammadali Yaghoubzadehfard (/users/z5138589) [about 7 hours ago](#) (Mon Apr 04 2022 13:50:21 GMT+0800 (中国标准时间))

When you import a library, it automatically installs any dependencies.

Reply



William Huang (/users/z5205986) about 7 hours ago (Mon Apr 04 2022 13:37:44 GMT+0800 (中国标准时间))

Will this be manually done by the markers when they mark our code? I also know someone else who says that when they run their code, their CSE machine cannot find "flask_restx". So I was wondering will markers manually pip install everything before they mark our code because I am assuming different people will be using different modules?

Thanks

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) about 7 hours ago (Mon Apr 04 2022 13:51:19 GMT+0800 (中国标准时间))

You should install any library on CSE machines.

Yes, we will install the latest version of the libraries first

Reply



William Huang (/users/z5205986) about 7 hours ago (Mon Apr 04 2022 13:54:02 GMT+0800 (中国标准时间))

I tried manually installing libraries but I get this issue? Do you know what this is?

```
uxterm
cal/lib/python3.7/site-packages (1.0.2)
ERROR: Could not install packages due to an EnvironmentError: [Errno 2] No such
file or directory: '/tmp_amd/cage/export/cage/4/z5205986/.local/lib/python3.7/si
te-packages/Flask-1.0.2.dist-info/METADATA'

z5205986@vx5:/tmp_amd/cage/export/cage/4/z5205986/Downloads$ pip3 install flask_
restx
Collecting flask_restx
  Downloading flask_restx-0.5.1-py2.py3-none-any.whl (5.3 MB)
    |████████████████████████████████████████| 5.3 MB 24.6 MB/s
Requirement already satisfied: pytz in /usr/lib/python3/dist-packages (from flas
k_restx) (2019.1)
Collecting aniso8601>=0.82
  Downloading aniso8601-9.0.1-py2.py3-none-any.whl (52 kB)
    |████████████████████████████████████████| 52 kB 8.0 MB/s
Requirement already satisfied: jsonschema in /usr/lib/python3/dist-packages (fro
m flask_restx) (2.6.0)
Requirement already satisfied: six>=1.3.0 in /usr/local/lib/python3.7/dist-packa
ges (from flask_restx) (1.16.0)
Requirement already satisfied: werkzeug!=2.0.0 in /tmp_amd/cage/export/cage/4/z5
205986/.local/lib/python3.7/site-packages (from flask_restx) (0.15.2)
Requirement already satisfied: Flask!=2.0.0,>=0.8 in /tmp_amd/cage/export/cage/4
/z5205986/.local/lib/python3.7/site-packages (from flask_restx) (1.0.2)
ERROR: Could not install packages due to an EnvironmentError: [Errno 2] No such
file or directory: '/tmp_amd/cage/export/cage/4/z5205986/.local/lib/python3.7/si
te-packages/Flask-1.0.2.dist-info/METADATA'

z5205986@vx5:/tmp_amd/cage/export/cage/4/z5205986/Downloads$ python3 z5205986.py
Traceback (most recent call last):
  File "z5205986.py", line 2, in <module>
    from flask import Flask, Response, request
  File "/usr/lib/python3/dist-packages/flask/__init__.py", line 17, in <module>
    from werkzeug.exceptions import abort
  File "/import/cage/4/z5205986/.local/lib/python3.7/site-packages/werkzeug/_in
it__.py", line 233, in <module>
    __import__("werkzeug.exceptions")
ModuleNotFoundError: No module named 'werkzeug.exceptions'
z5205986@vx5:/tmp_amd/cage/export/cage/4/z5205986/Downloads$
```

Reply



William Huang (/users/z5205986) about 8 hours ago (Mon Apr 04 2022 13:21:22 GMT+0800 (中国标准时间)), last modified about 8 hours ago (Mon Apr 04 2022 13:21:38 GMT+0800 (中国标准时间))

i tested my code locally and it works fine but not on CSE machines for context.

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) about 7 hours ago (Mon Apr 04 2022 13:51:49 GMT+0800 (中国标准时间))

You must test your code on CSE machines, and install all required python libraries

Reply



Yaxin Guan (/users/z5271151) about 8 hours ago (Mon Apr 04 2022 13:05:44 GMT+0800 (中国标准时间))

Hi. I have a question of the link part. Could we just set port number as a solid figure like 5000 or 5002. Or we should make the port number flexible like setting a parameter?

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) about 8 hours ago (Mon Apr 04 2022 13:19:57 GMT+0800 (中国标准时间))

It should reflect the port being used by your API

Reply

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