

Assignment-2

[Specification](#)[Make Submission](#)[Check Submission](#)[Collect Submission](#)

Data Service for TV Shows

In this assignment, you are asked to develop a Flask-Restx data service that allows a client to read and store some TV Shows, and allow 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. You can explore the TVmaze API using the following links

- The source URL: (<http://api.worldbank.org/v2/>) <http://api.tvmaze.com/shows> (<http://api.tvmaze.com/shows>)
- (<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 TV shows 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: import a TV Show (2 marks)

This operation can be considered as an on-demand 'import' operation to get the details of a TV show and store it in your application. The service will download the JSON data for the given TV show (by its name) ; You must use **sqlite** for storing the data (the name of the database should be **YOURZID.db**) locally after importing the TV show .

You can use the following to query the API: <http://api.tvmaze.com/search/shows?q=> (<http://api.tvmaze.com/search/shows?q=TITLE>) ?

For example, you can check the following query: <http://api.tvmaze.com/search/shows?q=good%20girls> (<http://api.tvmaze.com/search/shows?q=good%20girls>)

To import a tv show, your API accepts a query parameter called "name".:

- **name** : title for the tv show

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 tvmaze_id)

- **tvmaze-id** : the id of the tv show in tvmaze API
- **last-update** : the time the collection 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 pages and access the content locally - try not to perform too many programmatically. Check the documentation of the tvmaze API to get insights about their rate limiting policy.

Example:

```
POST /tv-shows/import?name=good girls
```

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",
  "tvmaze-id" : 23542,
  "_links": {
    "self": {
      "href": "http://[HOST_NAME]:[PORT]/tv-shows/123"
    }
  }
}
```

- You must import a TV show if only the given name matches a valid TV show (good girls, Good Girls, Good-Girls all match each other but they should not match a TV show like "Good Boys"). 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 TV Show. You should only import the matching one (ignoring cases, and any character except English alphabet and numbers). In case there are more than one TV show with the same one, it is up to you how to deal with it (e.g., importing both, importing the latest one, etc)
- What and how you store the data in DB is up to you, but take a look at the rest of questions to know what attributes you need to keep for each TV show
- Do not get confused with having two identifiers ("id", and "tvmaze-id"); "id" is a unique identifier in your service and all of your operations relay on this id to work; "tvmaze-id" is just a reference to the original data.
- CLARIFICATION: You should never change an ID of a resource (do not update ids)
- CLARIFICATION: 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/> / <u></u>)

Question 2 - Retrieve a TV Show (2 marks)

This operation retrieves a collection by its ID (the ID that is generated by your application) . The response of this operation will show the details of TV show. 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 resource if they exist . The next and previous resources are based on the sequential ID generated by your application.

The interface should look like as like below:

```
GET /tv-shows/{id}
```

Example Response returns: 200 OK

```
{
  "tvmaze-id" :23542,
  "id": 124,
  "last-update": "2021-04-08-12:34:40",
  "name": "Good Girls",
  "type": "Scripted",
  "language": "English",
  "genres": [
    "Drama",
    "Comedy",
    "Crime"
  ],
  "status": "Running",
  "runtime": 60,
  "premiered": "2018-02-26",
  "officialSite": "https://www.nbc.com/good-girls",
  "schedule": {
    "time": "22:00",
    "days": [
      "Sunday"
    ]
  },
  "rating": {
    "average": 7.4
  },
  "weight": 100,
  "network": {
    "id": 1,
    "name": "NBC",
    "country": {
      "name": "United States",
      "code": "US",
      "timezone": "America/New_York"
    }
  },
  "summary": "<p><b>Good Girls</b> follows three \"good girl\" suburban wives and m",
  "_links": {
    "self": {
      "href": "http://[HOST_NAME]:[PORT]/tv-shows/124"
    },
    "previous": {
      "href": "http://[HOST_NAME]:[PORT]/tv-shows/123"
    },
    "next": {
      "href": "http://[HOST_NAME]:[PORT]/tv-shows/125"
    }
  }
}
```

Question 3- Deleting a TV show (2 marks)

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

```
DELETE /tv-shows/{id}
```

Returns: 200 OK

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

Question 4 - Update a TV Show (2 marks)

This operation partially updates the details of a given TV Show.

The interface should look like the example below:

```
PATCH /tv-shows/{id}
{
  "name": "Good Girls",
  "language": "English",
  "genres": [
    "Drama",
    "Comedy",
    "Crime"
  ]
}
```

The above payload is just an example; it can contain any of the TV show 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]/tv-shows/123"
    }
  }
}
```

Question 5 - Retrieve the list of available TV Shows 4 marks)

This operation retrieves all available TV shows. The interface should look like as like below:

```
GET /tv-shows?order_by=<CSV-FORMATED-VALUE> & page=1 & page_size=100 & filter=<CSV-FORM
```

All four parameters are optional with default values being "order_by=+id", "page=1", and "page_size=100", filter="id,name". "page" and "page_size" are used for pagination; "page_size" shows the number of TV shows per page. "order_by" 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,runtime,premiered,rating-average}. Here are some sample values of "order_by" :

+rating-average,+id	order by "rating-average ascending" and then "id ascending" In this case sorting by "rating-average" has priority over "id". This is similar to SQL order by clause : " rating-average ASC, id ASC "
---------------------	--

-premiered	order by "premiered descending"
------------	---------------------------------

"filter" is also another comma separated values (only consider= tvmaze_id ,id ,last-update ,name ,type ,language ,genres ,status ,runtime ,premiered ,officialSite ,schedule ,rating ,weight ,network ,summary), and show what attribute should be shown for each TV show accordingly. Take a look at the following example to know how response should be like:

```
GET /tv-shows?order_by=+id&page=1&page_size=100&filter=id,name
```

All four parameters are optional with default values being "order_by=+id", "page=1", and "page_size=100", "filter=id,name"

Returns: 200 OK

```
{
  "page": 1,
  "page-size": 100,
  "tv-shows": [
    {
      "id" : 1,
      "name" : "Good Girls"
    },
    {
      "id" : 2,
      "name" : "Brilliant Girls"
    },
    ...
  ],
  "_links": {
    "self": {
      "href": "http://[HOST_NAME]:[PORT]/tv-shows?order_by=+id&page=1&page_size=100"
    },
    "next": {
      "href": "http://[HOST_NAME]:[PORT]/tv-shows?order_by=+id&page=2&page_size=100"
    }
  }
}
```

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

This operations 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 the format is 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).

- TV shows break down by an attribute determined by the "by" parameter; this parameter can be any of the following TV show attributes: "language" (showing the percentage of TV shows per Language), "genres", "status", and "type". In case of "genres", a TV show can have multiple values; you should come up with a solution to visualise it. For instance you can think of *how to visualise what percentage of movies belong to both "Comedy" and "Crime" genres, etc.*
- Total Number of TV shows
- Total Number of TV shows updated in the last 24 hours

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

```
GET /tv-shows/statistics?format=json&by=language
```

Returns: 200 OK

```
{
  "total": 1241,
  "total-updated": 24,
  "values" : { "English": 60.7, "French": 19.2, ... }
}
```

Notice:


- TVMAZE API is only used in Question 1 for importing a new TV show. The rest of operations relay on the existing TV Shows in your local database
- There is not template code for this assignment, you 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 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 inappropriate response!
- Make sure you are using right datatypes in the database and in you API methods (e.g., not string for years '2017')
- Some of the response of some operations contain "_links", depending on the response this should include links to "self", "next", and "previous" resources.
-

Submission:


- The Deadline is **Saturday the 3rd of April 2021 17:59**
- 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 deadline?**
Yes, you can. But 25% of your assignment will be deducted as a late penalty per day. In other words, if you be late for more than 3 days, you will not be marked.

Resource created 17 days ago (Wednesday 17 March 2021, 01:08:22 PM), last modified 2 days ago (Thursday 01 April 2021, 10:30:28 AM).

Comments

 [Q \(/COMP9321/21T1/forums/search?forum_choice=resource/59281\)](/COMP9321/21T1/forums/search?forum_choice=resource/59281)

 [\(/COMP9321/21T1/forums/resource/59281\)](/COMP9321/21T1/forums/resource/59281)

 Add a comment



Helin Wang (/users/z5272064) a day ago (Fri Apr 02 2021 14:58:22 GMT+1100 (Australian Eastern Daylight Time))

Response body

[Download file](#)

Response headers

```
cache-control: public, max-age=0
content-disposition: attachment; filename=q4.jpg
content-length: 14068
content-type: image/jpeg
date: Fri, 02 Apr 2021 03:55:40 GMT
expires: Fri, 02 Apr 2021 03:55:40 GMT
server: Werkzeug/0.16.0 Python/3.7.4
```

For Q6 is it ok to have a response like this.? Or we have to display the image in swagger?

Thanks.

Reply



Vishaal Vageshwari (/users/z5161415) a day ago (Fri Apr 02 2021 14:17:48 GMT+1100 (Australian Eastern Daylight Time))

If we save a figure to the current directory for question 6 does the name of the image have to be unique to me as a student, i.e. attaching my zID to the plot name - z1111111_plot.png.

Reply



Vincent Shi (/users/z5182291) [a day ago \(Fri Apr 02 2021 13:26:26 GMT+1100 \(Australian Eastern Daylight Time\)\)](#), last modified [a day ago \(Fri Apr 02 2021 13:42:55 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

Hi, for Q4, should we:

1. Allow users to update network's id?
2. Allow users to update `_links['previous']` and/or `_links['next']`?

My assumption is that we can't update these. Thanks in advance

Reply



Alexander Georges (/users/z5115344) [a day ago \(Fri Apr 02 2021 11:37:15 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

For Genre Statistics Q6, as we are returning percentages -> is it okay that percentages don't add up to 100% (in the case that a show is multiple genres) -> or would you say that cross sectional genres 'eg comedy & crime' is a genre in itself that should be represented?

I understand that there may be an opportunity to have creative license here, but not sure that there is a clear cut answer (one that is better than the other). Any recommendations here?

Reply



Yangzi She (/users/z5142869) [a day ago \(Fri Apr 02 2021 09:04:12 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

Hi, the TypeError I got when I want to update the db

127.0.0.1 - - [02/Apr/2021 09:01:35] "PATCH /tv-shows/1 HTTP/1.1" 500 -

Traceback (most recent call last):

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask/app.py", line 2464, in `__call__`

`return self.wsgi_app(environ, start_response)`

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask/app.py", line 2450, in `wsgi_app`

`response = self.handle_exception(e)`

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask_restplus/api.py", line 584, in `error_router`

`return original_handler(e)`

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask/app.py", line 1867, in `handle_exception`

`reraise(exc_type, exc_value, tb)`

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask/_compat.py", line 38, in `reraise`

`raise value.with_traceback(tb)`

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask/app.py", line 2447, in wsgi_app

```
response = self.full_dispatch_request()
```

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask/app.py", line 1952, in full_dispatch_request

```
rv = self.handle_user_exception(e)
```

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask_restplus/api.py", line 584, in error_router

```
return original_handler(e)
```

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask/app.py", line 1821, in handle_user_exception

```
reraise(exc_type, exc_value, tb)
```

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask/_compat.py", line 38, in reraise

```
raise value.with_traceback(tb)
```

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask/app.py", line 1950, in full_dispatch_request

```
rv = self.dispatch_request()
```

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask/app.py", line 1936, in dispatch_request

```
return self.view_functions[rule.endpoint](**req.view_args)
```

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask_restplus/api.py", line 329, in wrapper

```
return self.make_response(data, code, headers=headers)
```

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask_restplus/api.py", line 350, in make_response

```
resp = self.representations[mediatype](data, *args, **kwargs)
```

File "/Users/apple/untitled/venv/lib/python3.7/site-packages/flask_restplus/representations.py", line 25, in output_json

```
dumped = dumps(data, **settings) + "\n"
```

File "/Library/Frameworks/Python.framework/Versions/3.7/lib/python3.7/json/__init__.py", line 238, in dumps

```
**kw).encode(obj)
```

File "/Library/Frameworks/Python.framework/Versions/3.7/lib/python3.7/json/encoder.py", line 201, in encode

```
chunks = list(chunks)
```

File "/Library/Frameworks/Python.framework/Versions/3.7/lib/python3.7/json/encoder.py", line 438, in _iterencode

```
o = _default(o)
```

File "/Library/Frameworks/Python.framework/Versions/3.7/lib/python3.7/json/encoder.py", line 179, in default

```
raise TypeError(f'Object of type {o.__class__.__name__} '
```

TypeError: Object of type set is not JSON serializable

Reply



Kan-Lin Lu (/users/z3417618) [a day ago \(Fri Apr 02 2021 14:55:08 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

This might help:

<https://stackoverflow.com/questions/8230315/how-to...>

(<https://stackoverflow.com/questions/8230315/how-to-json-serialize-sets>)

Especially:

JSON (<http://www.json.org/>) notation has only a handful of native datatypes (objects, arrays, strings, numbers, booleans, and null), so anything serialized in JSON needs to be expressed as one of these types.

Make sure the returning dictionary is of the right datatype.

Reply



Yangzi She (/users/z5142869) [a day ago \(Fri Apr 02 2021 15:30:25 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

Thank you very much!

Reply



Yangzi She (/users/z5142869) [a day ago \(Fri Apr 02 2021 05:59:31 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

Hi, for Q4, when I want to update the db, I get TypeError:

```
chunks = list(chunks)
File "/Library/Frameworks/Python.framework/Versions/3.7/lib/python3.7/json/encoder.py", line 438, in _iterencode
  o = _default(o)
File "/Library/Frameworks/Python.framework/Versions/3.7/lib/python3.7/json/encoder.py", line 179, in default
  raise TypeError(f'Object of type {o.__class__.__name__} '
TypeError: Object of type set is not JSON serializable
```

Can you give me a hint? I've been stuck here for a long time.

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) [a day ago \(Fri Apr 02 2021 08:40:37 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

You should provide a full stack of the error; this will not help to debug

Reply



Hasam Hasam (/users/z5206651) [a day ago \(Fri Apr 02 2021 05:45:11 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

Just a bit confused with the deadline, and the announcement made about CSE servers being down - so we can submit on Tuesday 6PM without any deduction to the final mark? But after Tuesday 6PM the assignment will not be marked?

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) [a day ago \(Fri Apr 02 2021 08:31:02 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

Yes

Reply



Tai-Jung Yeh (/users/z5236552) [2 days ago \(Fri Apr 02 2021 02:11:38 GMT+1100 \(Australian Eastern Daylight Time\)\)](#), last modified [2 days ago \(Fri Apr 02 2021 02:11:45 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

For q4, if someone tries to pass a non-dict type string into an attribute that is a dict, ie "network", we should return a 400 bad request response?

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) [a day ago \(Fri Apr 02 2021 08:32:06 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

Yes, you can

Reply



Tai-Jung Yeh (/users/z5236552) [2 days ago \(Fri Apr 02 2021 02:10:43 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

Is there a dict or json type for fields in the api.model? I want to show an example payload stating that certain attributes needs to be passed as a dict.

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) [a day ago \(Fri Apr 02 2021 08:39:43 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

This may help you:

<https://flask-restplus.readthedocs.io/en/stable/marshalling.html> (<https://flask-restplus.readthedocs.io/en/stable/marshalling.html>)

Reply



Austin Vuong (/users/z5205456) [2 days ago \(Fri Apr 02 2021 01:21:09 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

can my submission be confirmed? there was some confusion earlier about submissions so I want to double check. thanks

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) [a day ago \(Fri Apr 02 2021 08:35:02 GMT+1100 \(Australian Eastern Daylight Time\)\)](#)

Yes, it is submitted

Reply



Wing Cheng (/users/z5261524) 2 days ago (Thu Apr 01 2021 23:15:30 GMT+1100 (Australian Eastern Daylight Time))

hello, for q5, do we need to return json as well if the requested format is "image"?

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) a day ago (Fri Apr 02 2021 08:35:13 GMT+1100 (Australian Eastern Daylight Time))

No

Reply



Mengfei Wu (/users/z5268735) 2 days ago (Thu Apr 01 2021 22:55:59 GMT+1100 (Australian Eastern Daylight Time))

Hi, for q5 do we get all the shows, order them with order_by then return the specific page or do we get shows on certain page in the database and then order them with order_by then return the result?

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) a day ago (Fri Apr 02 2021 08:36:01 GMT+1100 (Australian Eastern Daylight Time))

You should do the sort first, then paginate

Reply



Yijing Ma (/users/z5190667) 2 days ago (Thu Apr 01 2021 22:28:46 GMT+1100 (Australian Eastern Daylight Time))

So sorry to bother you at this time, I have modified my code in Q6 to draw a new graph. But I don't know why, when I test it in the browser, it still draws diagram according to my previous code. I tried to modify several other codes, but these changes can be reflected in the browser.

Reply



Lennox Xie (/users/z5315262) 2 days ago (Thu Apr 01 2021 23:44:12 GMT+1100 (Australian Eastern Daylight Time))

I think this may help

<https://webcms3.cse.unsw.edu.au/COMP9321/21T1/foru...>

(<https://webcms3.cse.unsw.edu.au/COMP9321/21T1/forums/2797338>)

Reply



Yijing Ma (/users/z5190667) 2 days ago (Fri Apr 02 2021 00:04:37 GMT+1100 (Australian Eastern Daylight Time))

Get it, thanks for your kindness.

Reply



Yangzi She (/users/z5142869) 2 days ago (Thu Apr 01 2021 21:22:54 GMT+1100 (Australian Eastern Daylight Time))

Hi,

I'm a little confused. When we search <http://api.tvmaze.com/search/shows?for=q1Q=good%20girls> page, with a lot of data, such as "good girls", "Good Girls ", " good girls Revolt ", "Binbougami ga!"

We should be

(1) Save the name as "Good Girls ", "Good Girls Revolt ", "Good Girls ", "Binbougami ga!" The data of

(2) Save the data with the name "good girls"

(3) Keep any piece of data, such as "Binbougami ga!" It can also be saved

Reply



Kan-Lin Lu (/users/z3417618) 2 days ago (Thu Apr 01 2021 22:02:41 GMT+1100 (Australian Eastern Daylight Time))

I think you only save 1 item, and its the one that has the closest match to input query, note there can also be no match at all.

As suggested by the spec, the query may contain typos, what you need to do is finding the best match, and using the name of that best match (name returned from tvmaze) to store into your database.

for instance:

1) "good girls" returns "Good Girls", store "Good Girls" in database

2) "Good girls" returns "Good Girls", store "Good Girls" in database

Reply



Yangzi She (/users/z5142869) a day ago (Fri Apr 02 2021 09:05:20 GMT+1100 (Australian Eastern Daylight Time))

Thank you

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) a day ago (Fri Apr 02 2021 08:37:53 GMT+1100 (Australian Eastern Daylight Time))

Thanks for helping your classmates; @Kan-Lin

Reply



Rudy Lie (/users/z5355403) 2 days ago (Thu Apr 01 2021 20:11:20 GMT+1100 (Australian Eastern Daylight Time)), last modified 2 days ago (Fri Apr 02 2021 00:16:34 GMT+1100 (Australian Eastern Daylight Time))

[deleted]

Reply



Morty Al-Banna (/users/z3445371) 2 days ago (Fri Apr 02 2021 00:07:00 GMT+1100 (Australian Eastern Daylight Time))

this is part of the solution that you need to come up with.

Reply



Danny Ly (/users/z5020225) 2 days ago (Thu Apr 01 2021 20:04:03 GMT+1100 (Australian Eastern Daylight Time))

Does last-updated mean the time of importing the show to our db or is it the 'updated' field from tvmaze?

My thought was that it is the updated field from tvmaze. However, if a user invokes patch on a show, then this gets updated to the current time?

Reply



Kan-Lin Lu (/users/z3417618) 2 days ago (Thu Apr 01 2021 20:30:56 GMT+1100 (Australian Eastern Daylight Time))

This might help:

<https://webcms3.cse.unsw.edu.au/COMP9321/21T1/forums/2797200#2797200>

Reply



Danny Ly (/users/z5020225) 2 days ago (Thu Apr 01 2021 20:34:48 GMT+1100 (Australian Eastern Daylight Time)), last modified 2 days ago (Thu Apr 01 2021 20:35:39 GMT+1100 (Australian Eastern Daylight Time))

Thanks Kan-Lin.

If its the time that we import it, then it makes question 6 a little weird. Theoretically, the marker will have to import the shows into the db. Therefore, all shows are 'updated' in the last 24 hours. I ran into this problem trying to test the 'Total Number of TV shows updated in the last 24 hours' part. Strange that I have to wait a whole day (unless I manually edit the update time). Can't argue with a tutors answer tho!!

Reply



Siyu Gao (/users/z5251491) a day ago (Fri Apr 02 2021 11:19:31 GMT+1100 (Australian Eastern Daylight Time))

try just edit the database directly?

Reply



Vincent Shi (/users/z5182291) 2 days ago (Thu Apr 01 2021 19:19:57 GMT+1100 (Australian Eastern Daylight Time))

For Q5, do we allow an update with **runtime being null** (i.e. "runtime": null)?

Reply



Morty Al-Banna (/users/z3445371) 2 days ago (Fri Apr 02 2021 00:03:52 GMT+1100 (Australian Eastern Daylight Time))

Do you mean Q4? if yes then as we do not specify in the specs that you need to do checking then there is no penalty for this. on a side note, it is a best practice from security perspective that you be strict (date as date, numeric with allowed range...etc.). so it makes sense to not allow a runtime to be null as it means there is no show running. Again this is not a requirement for the assignment but an encouraged best practice.

Reply



Daniel Fan (/users/z5114117) 2 days ago (Thu Apr 01 2021 19:00:00 GMT+1100 (Australian Eastern Daylight Time)), last modified 2 days ago (Thu Apr 01 2021 19:01:11 GMT+1100 (Australian Eastern Daylight Time))

Hi,

Regarding ids, tutors have advised "you should not re-use the same id for different resources". I have a clarification question surrounding this.

Suppose the user imports "Good girls" and it is assigned an id of 1 in our application. The user then deletes this id via the endpoint in question 3.

Now, if the user imports "Good girls" **again**, do we use the **same id, 1**, or a **different id** in our application?

Thanks!

Reply



Morty Al-Banna (/users/z3445371) 2 days ago (Thu Apr 01 2021 23:53:42 GMT+1100 (Australian Eastern Daylight Time))

Hi, Since we do not mention any requirement for this in the specification then it is up to you how you handle this.

Reply



Hoya Lee (/users/z5226463) 2 days ago (Thu Apr 01 2021 16:23:32 GMT+1100 (Australian Eastern Daylight Time))

For Q6, by this "valid image" does that mean an image the people see? or can it be an base64 encoding that you can use as "src" in your HTML?

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) 2 days ago (Thu Apr 01 2021 17:45:12 GMT+1100 (Australian Eastern Daylight Time))

We should be able to see in a browser

Reply



Anthony Zhao (/users/z5237709) 2 days ago (Thu Apr 01 2021 16:19:54 GMT+1100 (Australian Eastern Daylight Time))

For Q5, if the record in the database is less than the page size, then I need to return an error message and error code, is that right? and actually the page parameter means which page I need to return?

Reply



Mohammadali Yaghoubzadehfard (/users/z5138589) 2 days ago (Thu Apr 01 2021 17:45:28 GMT+1100 (Australian Eastern Daylight Time))

Yes

Reply

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