String Operation Service - API specification

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Overview

T-Tweak is a web-based service that provides access to string manipulations through HTTP calls. The user can send tasks to the web-service and receive back a response in json format.

Before actual coding, we defined the interface to each API, using the OpenAPI standard to define a REST API framework. (Note: don't rush to Google and spend 3 hours learning about json format, REST and OpenAPI before proceeding to read; it's not needed for the exercise).

All the APIs are of type "GET". Meaning: you send something to the service and expect an answer. The answer can be actual result (if your input was relevant to the API you called) or can be an error message.

The general format for the calls is:

<the web address of the service>/<the called API>/<optional parameters>

Example:

http://t-tweak.gershon.info/reverse/abcd

---- URL --------------------------------/ --- API ----/input string

The result in this case is the string "abcd" in reverse order, delivered in a json-formatted string:

`{"res":"dcba"}`

The exercise:

You can see the definition of all the APIs through a Swagger UI ("Swagger allows you to describe the structure of your APIs so that machines can read them" https://swagger.io/docs/specification/2-0/what-is-swagger/). You can also try using the APIs from the Swagger interface.

The following URL presents the specification of our service's APIs: http://t-tweak.gershon.info/docs

Your mission:

Review the specification and submit comments where you think the specification needs to be changed or improved.

Look for:

- Ambiguities
- Inconsistencies
- Mistakes
- Incomplete specification
- Non-concise or over concise explanations
- Non-testable requirements

How to submit:

Submit the results in a .csv file, with the following header in the first row:

API name	Type of issue (see list below)	Description of the issue	Your ID (yes, repeat on every line)

Type of issues list (use exactly these issue names):

Ambiguous
Non-verifiable
Inconsistent
Incomplete
Not correct
Not concise
Infeasible
Not necessary
Other

Use "Other" sparingly. You should be able to associate the issues you find with the list we gave.

We loaded a template Excel to help you to collect the comments (the "Type of Issue" field already has the issues list) – but you MUST save the final file as a .csv before submitting. This will make our life much easier when checking the exercise.

Filename for submission: **EX3_<your ID>.csv**

Grading
The exercise weight in the final grade is 3 points. It is not a mandatory exercise.

We are aware of ~30 issues. You need to find at least 3 issues to get a 55% on this exercise. Any additional correct issue is worth 5%, so 12 issues will get you 100%. Since we may reject some of the issues you report, we recommend you report 15 issues.

The deadline for submission is 19/Apr 23:55 .

Late submission penalty:
- One day: -1 poiunt (out of the 3)
- Two days: -2 points (out of the 3)

You can't submit later than 2 days after the deadline.