

Python test assignment

Task definition

Write a Python code that takes a JSON string as an input, transforms it into another JSON format, and saves the result as a JSON field in a Postgres DB.

Example JSON input

```
{"address" : "https://www.google.com ", "content" : {"seasons" : [{"text": "winter"}, {"text": "spring"}, {"text": "summer"}, {"text": "autumn"}], "description" : "All seasons"}, "updated" : "2021-02-26T08:21:20+00:00", "author" : {"username" : "Bob", "id" : "68712648721648271"}, "id" : "543435435", "created" : "2021-02-25T16:25:21+00:00", "counters" : {"A" : 3, "B" : 0}, "type" : "main"}
```

The mapping table for converting the input JSON into the target JSON

Input JSON field	Target JSON field	Type	Required
address	path	text	true
content-> seasons ->text	seasons	List[text]	false
content->description	body	text	false
id	id	text	true
author->username	author_name	text	true
author->id	author_id	text	true
created (the date part)	created_date	text	true
created (the time part)	created_time	text	true
updated (the date part)	updated_date	text	false
updated (the time part)	updated_time	text	false
counters->A + counters->B	counters_total	int	true

The expected deliverables

- The Python code with the instructions on how to run it

What we will evaluate

- Code organization (OOP-style is preferable)
- The test coverage