DoJSON Documentation

Release 0.2.0

Invenio collaboration

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DoJSON is a simple Pythonic JSON to JSON converter.

CHAPTER 1

Installation

DoJSON is on PyPI so all you need is:

```
$ pip install dojson
```

CHAPTER 2

Example

A simple example on how to convert MARCXML to JSON:

```
from dojson.contrib.marc21.utils import create_record, split_blob
from dojson.contrib.marc21 import marc21
[marc21.do(create_record(data)) for data in split_blob(open('/tmp/data.xml', 'r').read())]
```

CHAPTER 3

API

DoJSON API.

class dojson.**Overdo**(*bases=None*, *entry_point_group=None*)

Translation index.

build()

Build.

do(*blob*)

Translate blob values and instantiate new model instance.

missing(*blob*)

Return keys with missing rules.

over(*name*, **source_tags*)

Register creator rule.

CHAPTER 4

Changes

4.1 Version 0.2.0 (released 2015-10-07):

4.1.1 New features

- Adds the posibility to use base DoJSON model so the rules are "inherited" from them.
- Adds new decorator *ignore_value* that remove the key in the resulting json for None value.

4.1.2 Improved features

- Uses entry points instead of plain imports to load the creator rules.

4.1.3 Bug fixes

- Removes calls to PluginManager consider_setuptools_entrypoints() removed in PyTest 2.8.0.

4.2 Version 0.1.1 (released 2015-07-27):

- Sorts and removes duplicated enum values.
- Swaps wrongly defined repeatable and non-repeatable subfields. (#23)
- Addresses issue when allowed indicators where defined as a range. (#22)

4.3 Version 0.1.0 (released 2015-07-03):

- Initial public release.

CHAPTER 5

Contributing

Bug reports, feature requests, and other contributions are welcome. If you find a demonstrable problem that is caused by the code of this library, please:

1. Search for already reported problems.
2. Check if the issue has been fixed or is still reproducible on the latest *master* branch.
3. Create an issue with **a test case**.

If you create a feature branch, you can run the tests to ensure everything is operating correctly:

```
$ python setup.py test

...

====== 31 passed, 23 skipped in 1.37 seconds ======
```

You can also test your feature branch using Docker:

```
$ docker-compose build
$ docker-compose run web python setup.py test
$ docker-compose run web python setup.py build_sphinx
$ docker-compose run web pep257 --match-dir='dojson'
```

CHAPTER 6

Authors

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CHAPTER 7

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