Invenio-Query-Parser Documentation

Release 0.5.0

Invenio collaboration

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Search query parser supporting Invenio and SPIRES search syntax.

CHAPTER 1

Contents

- *Installation*
- *Usage*
- *API*
- *Changes*

1.1 Installation

Invenio-Query-Parser is on PyPI so all you need is:

```
$ pip install invenio-query-parser
```

1.2 Usage

The easiest way is to use *pypeg2* directly with `Main`.

```
import pypeg2
from invenio_query_parser.parser import Main
pypeg2.parse('author:"Ellis"', Main)
```

1.3 API

1.4 Changes

CHAPTER 2

Version 0.5.0 (released 2016-02-29):

- Allows match unit to iterate over Sequences, i.e. tuple.
- Removes distinctions between double and single quotes.
- Adds support for allowed keywords.
- Removes nestable keywords (to be re-added in the future).
- Removes optional space after a keyword.
- *AND*, *OR* and *NOT* are only considered as keywords when written in caps.

CHAPTER 3

Version 0.4.1 (released 2015-11-13):

- Default key getter returns default value instead of raising key error if the key is not found inside the dictionary.

CHAPTER 4

Version 0.4.0 (released 2015-11-12):

- Removes support for Python 2.6.
- Adds **experimental** support for Elasticsearch query generation.
- Adds *MatchUnit* walker for testing data against a query.
- Adds Python 3.5 classifier and enables it in test matrix.
- Fixes 'not' operator usage at the beginning of the query and after an 'or' operator.

CHAPTER 5

Version 0.3.0 (released 2015-07-29):

- Allows search keywords to contain dots to point to subfield content, i.e. *author.name: Ellis*.

CHAPTER 6

Version 0.2.0 (released 2014-12-10):

- Initial public release.
- Adds Python2/Python3 compatibility layer. (#2)
- Adds new Sphinx documentation page. (#3)
- Adds simple inheritance for visitor pattern and separates SPIRES syntax parser to contrib module. (#7)

CHAPTER 7

Version 0.1.0 (release 2014-10-13):

- Initial private release. Includes code developed by Alessio Deiana and Federico Poli.

7.1 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

...

======= 146 passed in 1.90 seconds ======
```

7.2 Authors

Invenio-Query-Parser is developed for the Invenio digital library software.

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