
collective.table Documentation

Release 0.1alpha

August 29, 2011

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Project title collective.table

Latest version 0.1alpha

URL <http://pypi.python.org/pypi/collective.table>

Summary

This is a Plone 4 add-on project for storing tabular data inside Plone.

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1.1 Definitions of basic terms

TODO Add some glossary entries.

1.2 Developer conventions

1.2.1 Quick start

If you have a Linux or OS X system already capable of running Plone then a quick start with collective.table is as follows:

```
$ git co git@github.com:nzupan/collective.table.git
$ cd collective.table/
$ virtualenv -p python2.6 --no-site-packages ./
$ bin/python bootstrap.py
$ bin/buildout

# start Zope
$ bin/instance fg
```

1.2.2 Commit checklist

Before every commit you must:

- run all *Unit tests*.
- perform *Syntax validation*.
- add an entry to *Changelog* (if applicable).
- add an entry to *Sphinx documentation* (if applicable).

You can run all syntax check and all test with a single command:

```
$ ./pre-commit-check.sh
```

1.2.3 Unit tests

Un-tested code is broken code.

For every feature you add to the codebase you must also add tests for it.

You can run tests like this:

```
.. sourcecode:: bash

    $ bin/test -s collective.table
```

1.2.4 Syntax validation

All Python source code should be *PEP-8* valid and checked for syntax errors. Tools for checking this are *pep8* and *pyflakes*.

If possible make your editor run *pep8* and *pyflakes* on your current file every time you save it. Useful links:

- <http://github.com/ppierre/python-pep8-tmbundle>
- <http://www.arthurkoziel.com/2008/06/28/pyflakes-installation-and-textmate-integration/>

Alternatively you can use these two commands to check style manually:

```
$ bin/pyflakes collective
$ bin/pep8 collective
```

1.2.5 Changelog

We track all feature-level changes to code inside `docs/HISTORY.txt`. Examples:

- added feature X
- removed Y
- fixed bug Z

1.2.6 Sphinx documentation

Un-documented code is broken code.

For every feature you add to the codebase you must also add documentation for it in `docs/sphinx/`.

After adding documentation, re-build *Sphinx* and check how it is displayed:

```
.. sourcecode:: bash

    $ bin/sphinxbuilder $ open docs/html/index.html
```

1.2.7 Sorting imports

As a stylistic guide: Imports of code from other modules should always be alphabetically sorted with no empty lines between imports. The only exception to this rule is to keep one empty line between a group of `from x import y` and a group of `import y` imports.

1.3 API

CHANGELOG

2.1 1.0 (unreleased)

- Initial release. [zupo]

ROADMAP

3.1 Current status

At this point, `collective.table` offers only basic functionalities and is somewhat usable. It's in alpha stage so storage API *will* change and there will be *no migration path*. Do not use for storing important data just yet!

3.2 Milestone *Sauna Sprint*

Both Nejc Zupan (GSoC student) and Martijn Pieters (mentor) will be attending the Plone Sauna Sprint 2011. During that week we will focus on the following:

- improve ZODB storage (sorting, filtering, scalability and such)
- improve UI
- add more tests (test coverage is already above 85%, btw)
- unit-tests for Javascript

3.3 Milestone *End of GSoC*

- battle-hardening what we produce during the Sauna Sprint
- selenium tests, ran regularly with help of `jenkins.plone.org`
- improve user and developer documentation
- export data to csv, etc
- screencast usage demo

3.4 Milestone *future*

- column types (numeric, date, boolean, vocabularies, etc.)
- add SQLAlchemy storage, based on SQLite by default
- import from csv
- insertion of rows in the middle, together with concurrent editing

INDICES AND TABLES

- *genindex*
- *modindex*
- *search*