rst Documentation

Release 0.1

Kushal Das

March 19, 2013

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An easy way to create rst document.

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INTRODUCTION

1.1 Why rst ?

I was looking for a module to create reStructredText documents through code for a long time and finally decided to write one for myself.

1.2 rst license

CHAPTER

TWO

INSTALLATION

This part of the documentation covers the installation of rst. The first step to using any software package is getting it properly installed.

2.1 Distribute & Pip

Installing requests is simple with pip:

```
$ pip install rst
```

or, with easy_install:

```
$ easy_install rst
```

But, you really shouldn't do that.

2.2 Get the Code

rst is actively developed on GitHub, where the code is always available.

You can either clone the public repository:

```
git clone git://github.com/kushaldas/rst.git
```

Download the tarball:

```
$ curl -OL https://github.com/kushaldas/rst/tarball/master
```

Or, download the zipball:

```
$ curl -OL https://github.com/kushaldas/rst/tarball/master
```

Once you have a copy of the source, you can embed it in your Python package, or install it into your site-packages easily:

```
$ python setup.py install
```

CHAPTER

THREE

QUICKSTART

Here is a quick example to just start using it.

```
#!/usr/bin/env python
from rst import rst

def main():
    doc = rst.Document('Title of the report')
    para = rst.Paragraph('Just another paragraph. We need few more of these.')
    doc.add_child(para)
    sec = rst.Section('Another', 2)
    doc.add_child(sec)
    para = rst.Paragraph('Can we do this? Yes we can.')
    doc.add_child(para)

    blt = rst.Orderedlist()
    blt.add_item('Red Hat')
    blt.add_item('Fedora')
    blt.add_item('Debian')

    doc.add_child(blt)

    sec2 = rst.Section('Why Python is awesome?', 2)
    doc.add_child(sec2)

    tbl = rst.Table('My friends', ['Name', 'Major Project'])
    tbl.add_item(('Ramki', 'Python'))
    tbl.add_item(('Pradeepto', 'KDE'))
    tbl.add_item(('Nicubunu', 'Fedora'))
    doc.add_child(tbl)

    print doc.get_rst()

if __name__ == '__main__':
    main()
```

CHAPTER

FOUR

API

class rst.**Document**(*title*)

Returns a Document object.

```
>>> import rst
>>> doc = rst.Document('Title of the report')
>>> print doc.get_rst()
==================
Title of the report
==================
```

add_child(*node*)

Adds a Node object to the Document. Returns True in case of success.

get_rst()

Returns the rst representation of the document in unicode format.

save(*path*)

Saves the document in the given path.

Parameters **path** – Path to save the document.

class rst.**Paragraph**(*text=''*)

Represents a paragraph

Parameters **text** – Text to be present in the paragraph.

. doctest:

```
>>> import rst
>>> doc = rst.Document('Title of the report')
>>> para = rst.Paragraph('This is a paragraph. A long one.')
>>> doc.add_child(para)
True
>>> print doc.get_rst()
==================
Title of the report
==================

This is a paragraph. A long one.
```

class rst.**Section**(*title*, *depth=1*)

Represents a Section object.

Parameters

- **depth** – Depth of the section, default is 1

- **text** – Title of the section

class rst.**Orderedlist**

Represents a Ordered List.

```
>>> import rst
>>> doc = rst.Document('Title of the report')
>>> blt = rst.Orderedlist()
>>> blt.add_item('Fedora')
>>> blt.add_item('Debian')
>>> doc.add_child(blt)
True
>>> print doc.get_rst()
==================
Title of the report
==================

    1. Fedora
    2. Debian
```

add_item(*text*)

Adds a new text block in the Bulletlist.

Parameters **text** – text to be added in the list, remember it is ordered list.

class rst.**Bulletlist**

Represents a Bullet List.

```
>>> import rst
>>> doc = rst.Document('Title of the report')
>>> blt = rst.Bulletlist()
>>> blt.add_item('Fedora')
>>> blt.add_item('Debian')
>>> doc.add_child(blt)
True
>>> print doc.get_rst()
==================
Title of the report
==================

    * Fedora
    * Debian
```

add_item(*text*)

Adds a new text block in the Bulletlist.

Parameters **text** – text to be added in the list.

class rst.**Table**(*title=''*, *header=None*, *width=None*)

Represents a Table, (will be wriiten in csv-table style)

```
>>> import rst
>>> doc = rst.Document('Title of the report')
>>> tbl = rst.Table('My friends', ['Name', 'Major Project'])
>>> tbl.add_item(('Ramki', 'Python'))
>>> tbl.add_item(('Pradeepto', 'Kde'))
>>> tbl.add_item(('Nicubunu', 'Fedora'))
>>> doc.add_child(tbl)
True
>>> print doc.get_rst()
==================
```

```
Title of the report
===================

.. list-table:: My friends
    :header-rows: 1

    * -  Name
      -  Major Project
    * -  Ramki
      -  Python
    * -  Pradeepto
      -  Kde
    * -  Nicubunu
      -  Fedora
```

add_item(*row*)

Adds a new row to the table.

Parameters **row** – list of items in the table.

CHAPTER

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INDICES AND TABLES

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