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# **QuteChartjs Documentation**

***Release 0.1.0***

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## Contents:

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<b>1</b>	<b>QuteChartjs</b>	<b>1</b>
1.1	Features . . . . .	1
1.2	Credits . . . . .	1
<b>2</b>	<b>Installation</b>	<b>3</b>
2.1	Stable release . . . . .	3
2.2	From sources . . . . .	3
<b>3</b>	<b>Usage</b>	<b>5</b>
<b>4</b>	<b>QuteChartjs</b>	<b>7</b>
4.1	QuteChartjs package . . . . .	7
<b>5</b>	<b>Contributing</b>	<b>11</b>
5.1	Types of Contributions . . . . .	11
5.2	Get Started! . . . . .	12
5.3	Pull Request Guidelines . . . . .	13
5.4	Tips . . . . .	13
5.5	Deploying . . . . .	13
<b>6</b>	<b>Credits</b>	<b>15</b>
6.1	Development Lead . . . . .	15
6.2	Contributors . . . . .	15
<b>7</b>	<b>History</b>	<b>17</b>
7.1	0.1.0 (2019-10-31) . . . . .	17
<b>8</b>	<b>Indices and tables</b>	<b>19</b>
	<b>Python Module Index</b>	<b>21</b>
	<b>Index</b>	<b>23</b>



# CHAPTER 1

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## QuteChartjs

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Use Chart.js from python using QtWebEngine

- Free software: GNU General Public License v3
- Documentation: <https://QuteChartjs.readthedocs.io>.

## 1.1 Features

- TODO

## 1.2 Credits

This package was created with [Cookiecutter](#) and the [elgertam/cookiecutter-pipenv](#) project template, based on [audreyr/cookiecutter-pypackage](#).



### 2.1 Stable release

To install QuteChartjs, run this command in your terminal:

```
$ pip install QuteChartjs
```

This is the preferred method to install QuteChartjs, as it will always install the most recent stable release.

If you don't have [pip](#) installed, this [Python installation guide](#) can guide you through the process.

### 2.2 From sources

The sources for QuteChartjs can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/eyllanesc/QuteChartjs
```

Or download the [tarball](#):

```
$ curl -OL https://github.com/eyllanesc/QuteChartjs/tarball/master
```

Once you have a copy of the source, you can install it with:

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





## CHAPTER 3

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### Usage

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To use QuteChartjs in a project:

```
import QuteChartjs
```



### 4.1 QuteChartjs package

#### 4.1.1 Subpackages

QuteChartjs.internals package

Submodules

QuteChartjs.internals.QtSiteConfig module

QuteChartjs.internals.QtSiteConfig.**update\_members** (*members*)

Module contents

**exception** QuteChartjs.internals.**BindingError**  
Bases: Exception

#### 4.1.2 Submodules

#### 4.1.3 QuteChartjs.charts module

**class** QuteChartjs.charts.**ChartjsNode** (*id\_*: *str*, *type\_*: *str*, *page*:  
*PyQt5.QtWebEngineWidgets.QWebEnginePage*)  
Bases: *QuteChartjs.core.RootNode*

**data**

**execute** (*script*: *str*, \*, *callback*: *Callable[[Any], None]* = *None*, *kwargs*: *Dict[str, Any]* = *None*, *synchronous*: *bool* = *False*) → *None*

**id**  
**type**

#### 4.1.4 QuteChartjs.cli module

Console script for QuteChartjs.

#### 4.1.5 QuteChartjs.common module

```
class QuteChartjs.common.AnimationNode (parent)
    Bases: QuteChartjs.core.ChartNode

    duration
    easing

class QuteChartjs.common.DataNode (parent)
    Bases: QuteChartjs.core.ChartNode

    labels

class QuteChartjs.common.HoverNode (parent)
    Bases: QuteChartjs.core.ChartNode

    animationDuration
    axis
    intersect
    mode

class QuteChartjs.common.LayoutNode (parent)
    Bases: QuteChartjs.core.ChartNode

    padding

class QuteChartjs.common.TitleNode (parent)
    Bases: QuteChartjs.core.ChartNode

    display
    fontColor
    fontFamily
    fontSize
    position
    text
```

#### 4.1.6 QuteChartjs.core module

```
class QuteChartjs.core.ChartNode (name: str = "", parent: Optional[QuteChartjs.core.Node] =
    None)
    Bases: QuteChartjs.core.Node

    fullname() → str
    page
```

```
class QuteChartjs.core.Node (name: str, parent=None)
```

Bases: object

**name**

**parent**

**root**

```
class QuteChartjs.core.QtEncoder (*, skipkeys=False, ensure_ascii=True, check_circular=True,
                                allow_nan=True, sort_keys=False, indent=None, separa-
                                tors=None, default=None)
```

Bases: json.encoder.JSONEncoder

**default** (obj)

Implement this method in a subclass such that it returns a serializable object for o, or calls the base implementation (to raise a `TypeError`).

For example, to support arbitrary iterators, you could implement default like this:

```
def default(self, o):
    try:
        iterable = iter(o)
    except TypeError:
        pass
    else:
        return list(iterable)
    # Let the base class default method raise the TypeError
    return JSONEncoder.default(self, o)
```

```
class QuteChartjs.core.RootNode (name: str = "")
```

Bases: `QuteChartjs.core.ChartNode`

**execute** (script: str, \*, callback: Callable[[Any], None] = None, kwargs: Dict[str, Any] = None, synchronous: bool = False) → None

```
class QuteChartjs.core.javascript_property (*args, **kw)
```

Bases: `property_manager.writable_property`

## 4.1.7 QuteChartjs.globals module

```
class QuteChartjs.globals.GlobalNode (page: PyQt5.QtWebEngineWidgets.QWebEnginePage)
```

Bases: `QuteChartjs.core.RootNode`

**animation**

**execute** (script: str, \*, callback: Callable[[Any], None] = None, kwargs: Dict[str, Any] = None, synchronous: bool = False) → None

**hover**

**layout**

**title**

## 4.1.8 Module contents

Top-level package for QuteChartjs.

```
class QuteChartjs.Chartjs
```

Bases: object

```
charts_ = []  
classmethod create_chart(id_, type_, page)  
classmethod global_(page)  
globals_ = []
```

Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given. You can contribute in many ways:

## 5.1 Types of Contributions

### 5.1.1 Report Bugs

Report bugs at <https://github.com/eyllanesc/QuiteChartjs/issues>.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

### 5.1.2 Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” and “help wanted” is open to whoever wants to implement it.

### 5.1.3 Implement Features

Look through the GitHub issues for features. Anything tagged with “enhancement” and “help wanted” is open to whoever wants to implement it.

## 5.1.4 Write Documentation

QuteChartjs could always use more documentation, whether as part of the official QuteChartjs docs, in docstrings, or even on the web in blog posts, articles, and such.

## 5.1.5 Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/eyllanesc/QuteChartjs/issues>.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

## 5.2 Get Started!

Ready to contribute? Here's how to set up *QuteChartjs* for local development.

1. Fork the *QuteChartjs* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/QuteChartjs.git
```

3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:

```
$ mkvirtualenv QuteChartjs
$ cd QuteChartjs/
$ python setup.py develop
```

4. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

5. When you're done making changes, check that your changes pass flake8 and the tests, including testing other Python versions with tox:

```
$ flake8 QuteChartjs tests
$ python setup.py test or py.test
$ tox
```

To get flake8 and tox, just pip install them into your virtualenv.

6. Commit your changes and push your branch to GitHub:

```
$ git add .
$ git commit -m "Your detailed description of your changes."
$ git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.



## 5.3 Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 2.7, 3.4, 3.5 and 3.6, and for PyPy. Check [https://travis-ci.org/eyllanesc/QuteChartjs/pull\\_requests](https://travis-ci.org/eyllanesc/QuteChartjs/pull_requests) and make sure that the tests pass for all supported Python versions.

## 5.4 Tips

To run a subset of tests:

```
$ py.test tests.test_QuteChartjs
```

## 5.5 Deploying

A reminder for the maintainers on how to deploy. Make sure all your changes are committed (including an entry in HISTORY.rst). Then run:

```
$ bumpversion patch # possible: major / minor / patch
$ git push
$ git push --tags
```

Travis will then deploy to PyPI if tests pass.



### 6.1 Development Lead

- Edwin Yllanes <e.yllanescuho@gmail.com>

### 6.2 Contributors

None yet. Why not be the first?



#### 7.1 0.1.0 (2019-10-31)

- First release on PyPI.



## CHAPTER 8

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### Indices and tables

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- `genindex`
- `modindex`
- `search`





### q

- `QuteChartjs`, 9
- `QuteChartjs.charts`, 7
- `QuteChartjs.cli`, 8
- `QuteChartjs.common`, 8
- `QuteChartjs.core`, 8
- `QuteChartjs.globals`, 9
- `QuteChartjs.internals`, 7
- `QuteChartjs.internals.QtSiteConfig`, 7



## A

animation (*QuteChartjs.globals.GlobalNode* attribute), 9  
 animationDuration (*QuteChartjs.common.HoverNode* attribute), 8  
 AnimationNode (class in *QuteChartjs.common*), 8  
 axis (*QuteChartjs.common.HoverNode* attribute), 8

## B

BindingError, 7

## C

Chartjs (class in *QuteChartjs*), 9  
 ChartjsNode (class in *QuteChartjs.charts*), 7  
 ChartNode (class in *QuteChartjs.core*), 8  
 charts\_ (*QuteChartjs.Chartjs* attribute), 9  
 create\_chart() (*QuteChartjs.Chartjs* class method), 10

## D

data (*QuteChartjs.charts.ChartjsNode* attribute), 7  
 DataNode (class in *QuteChartjs.common*), 8  
 default() (*QuteChartjs.core.QtEncoder* method), 9  
 display (*QuteChartjs.common.TitleNode* attribute), 8  
 duration (*QuteChartjs.common.AnimationNode* attribute), 8

## E

easing (*QuteChartjs.common.AnimationNode* attribute), 8  
 execute() (*QuteChartjs.charts.ChartjsNode* method), 7  
 execute() (*QuteChartjs.core.RootNode* method), 9  
 execute() (*QuteChartjs.globals.GlobalNode* method), 9

## F

fontColor (*QuteChartjs.common.TitleNode* attribute), 8

fontFamily (*QuteChartjs.common.TitleNode* attribute), 8  
 fontSize (*QuteChartjs.common.TitleNode* attribute), 8  
 fullname() (*QuteChartjs.core.ChartNode* method), 8

## G

global\_() (*QuteChartjs.Chartjs* class method), 10  
 GlobalNode (class in *QuteChartjs.globals*), 9  
 globals\_ (*QuteChartjs.Chartjs* attribute), 10

## H

hover (*QuteChartjs.globals.GlobalNode* attribute), 9  
 HoverNode (class in *QuteChartjs.common*), 8

## I

id (*QuteChartjs.charts.ChartjsNode* attribute), 7  
 intersect (*QuteChartjs.common.HoverNode* attribute), 8

## J

javascript\_property (class in *QuteChartjs.core*), 9

## L

labels (*QuteChartjs.common.DataNode* attribute), 8  
 layout (*QuteChartjs.globals.GlobalNode* attribute), 9  
 LayoutNode (class in *QuteChartjs.common*), 8

## M

mode (*QuteChartjs.common.HoverNode* attribute), 8

## N

name (*QuteChartjs.core.Node* attribute), 9  
 Node (class in *QuteChartjs.core*), 8

## P

padding (*QuteChartjs.common.LayoutNode* attribute), 8  
 page (*QuteChartjs.core.ChartNode* attribute), 8

parent (*QuteChartjs.core.Node attribute*), 9  
position (*QuteChartjs.common.TitleNode attribute*), 8

## Q

QtEncoder (*class in QuteChartjs.core*), 9  
QuteChartjs (*module*), 9  
QuteChartjs.charts (*module*), 7  
QuteChartjs.cli (*module*), 8  
QuteChartjs.common (*module*), 8  
QuteChartjs.core (*module*), 8  
QuteChartjs.globals (*module*), 9  
QuteChartjs.internals (*module*), 7  
QuteChartjs.internals.QtSiteConfig (*module*), 7

## R

root (*QuteChartjs.core.Node attribute*), 9  
RootNode (*class in QuteChartjs.core*), 9

## T

text (*QuteChartjs.common.TitleNode attribute*), 8  
title (*QuteChartjs.globals.GlobalNode attribute*), 9  
TitleNode (*class in QuteChartjs.common*), 8  
type (*QuteChartjs.charts.ChartjsNode attribute*), 8

## U

update\_members() (in *module*  
*QuteChartjs.internals.QtSiteConfig*), 7