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# **quaerere-base-flask Documentation**

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```
class quaerere_base_flask.schemas.ArangoDBFilterSchema (extra=None,    only=None,
                                                         exclude=(),        pre-
                                                         fix="",            strict=None,
                                                         many=False,       con-
                                                         text=None,        load_only=(),
                                                         dump_only=(),     par-
                                                         tial=False)
```

**:py:attr: filters** [:py:class: ~.fields.List] condition

**:py:attr: variables** [:py:class: ~.fields.Dict] variables used to bind

```
class quaerere_base_flask.schemas.ArangoDBMetadataSchema (extra=None, only=None,
                                                             exclude=(),        pre-
                                                             fix="",            strict=None,
                                                             many=False,       con-
                                                             text=None,        load_only=(),
                                                             dump_only=(),     par-
                                                             tial=False)
```

Schema for ArangoDB insert/update metadata

**:py:attr: \_id** [:py:class: *marshmallow.fields.String*][required=True] Id of document

**:py:attr: \_key** [:py:class: ~*marshmallow.fields.String*][required=True] Key of document

**:py:attr: \_rev** [:py:class: ~.fields.String][required=True] Current revision of document

**:py:attr: \_old\_rev** [:py:class: ~.fields.String] Previous revision of document

```
class quaerere_base_flask.views.BaseView
```

Base class for defining a Restful access method to a resource

BaseView provides basic Restful access to a resource defined by a given data object and schema.

**Current supported functionality**

- *index()*
- *get()*

- `post()`
- `put()`
- `patch()`
- `delete()`
- `find()`

### Supported callbacks

- pre and post create (HTTP POST)
- pre and post read (HTTP GET)
- pre and post update (HTTP PUT and PATCH)
- pre and post delete (HTTP DELETE)

`__init__()`

`_post_create_callback(resp_data)`

Call back function ran *after* object is created in data store

**Parameters** `resp_data` – Response data

**Returns**

`_post_delete_callback(key, resp_data)`

Call back function ran *before* object is deleted in data store

**Parameters**

- `key` – Object key
- `resp_data` – Response data

**Returns**

`_post_read_callback(key, resp_data)`

Call back function ran *after* object is read from data store

**Parameters**

- `key` – Object key
- `resp_data` – Response data

**Returns**

`_post_update_callback(key, resp_data, http_method)`

Call back function ran *after* object is updated in data store

**Parameters**

- `key` – Object key
- `resp_data` – Response data
- `http_method` – ‘patch’ or ‘put’

**Returns**

`_pre_create_callback(req_data)`

Call back function ran *before* object is created in data store

**Parameters** `req_data` – Request data

**Returns**

**`_pre_delete_callback`** (*key*)

Call back function ran *before* object is deleted in data store

**Parameters** **key** – Object key

**Returns**

**`_pre_read_callback`** (*key*)

Call back function ran *before* object is read from data store

**Parameters** **key** – Object key

**Returns**

**`_pre_update_callback`** (*key, req\_data, http\_method*)

Call back function ran *before* object is updated in data store

**Parameters**

- **key** – Object key
- **req\_data** – Request data
- **http\_method** – ‘patch’ or ‘put’

**Returns**

**`delete`** (*key*)

Delete an object

**Parameters** **key** – Key of object

**Returns** DB Delete metadata

**`find`** ()

Find an object based on criteria

**Returns** objects

**`get`** (*key*)

Get a specific object by key

**Parameters** **key** – Primary key of an object to retrieve

**Returns** Object of provided key

**`index`** ()

Returns all objects

**Returns** All objects of the model type

**`patch`** (*key*)

Update specific data elements

**Parameters** **key** – Key of object

**Returns** DB Update metadata

**`post`** ()

Create a new object

**Returns** DB Insert metadata

**`put`** (*key*)

Update all fields on an object

**Parameters** **key** – Key of object

**Returns** DB Update metadata

`quaerere_base_flask.views.register_views(app, view_module, version, prefix='api')`

Registers FlaskView classes to the Flask app passed as argument

**Parameters**

- **app** (*flask.Flask*) – Flask app instance
- **version** (*str*) – API version string
- **prefix** (*str* or *None*) – String to prepend to API path

**Returns**



**quaerere-base-flask** contains the common elements shared between components of the Quaerere Platform.

## 2.1 Links

- Documentation: <http://quaerere-base-flask.readthedocs.io/>
- PyPI: <https://pypi.org/project/quaerere-base-flask/>
- Source: <https://github.com/QuaererePlatform/quaerere-base-flask.git>



## CHAPTER 3

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### Installation

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Using pip:

```
pip install quaerere-base-flask
```

Or using setup.py:

```
python setup.py install
```

Tests can be ran using:

```
python setup.py test
```

Documentation can be generated using:

```
python setup.py build_sphinx
```



## CHAPTER 4

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Usage

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## CHAPTER 5

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### Indices and tables

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





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`quaerere_base_flask.views`, [1](#)



## Symbols

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