TCRUDge Documentation

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CodeTeam

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CHAPTER 1

Subpackages

1.1 tcrudge.utils package

1.1.1 Submodules

1.1.2 tcrudge.utils.json module

`tcrudge.utils.json.`**`json_serial`**(*obj*)

JSON serializer for objects not serializable by default json code.

Parameters **obj** (*date, datetime or UUID*) – object to serialize

Returns formatted and serialized object

Return type str

1.1.3 tcrudge.utils.validation module

Module for common validation tools.

`tcrudge.utils.validation.`**`validate_integer`**(*val*, *min_value=None*, *max_value=None*, *default=None*)

Validates the input val parameter.

If it is can not be converted to integer, returns default_value.

If it is less than min_value, returns min_value.

If it is greater than max_value, returns max_value.

Parameters

- **val** (*int, float, digital string*) – number to validate
- **min_value** (*int*) – min value of validation range
- **max_value** (*int*) – max value of validation range
- **default** (*int*) – default value to return in case of exception

Returns None, min, max, default or result - int

Return type NoneType, int

1.1.4 Module contents

CHAPTER 2

Submodules

CHAPTER 3

tcrudge.decorators module

CHAPTER 4

tcrudge.handlers module

CHAPTER 5

tcrudge.models module

CHAPTER 6

tcrudge.response module

Functions to handle different response formats must receive two arguments:

- handler: subclass of tornado.web.RequestHandler;
- answer: dictionary with response data.

And it should return bytes.

`tcrudge.response.`**`response_json`**(*handler*, *response*)

Default JSON response.

Sets JSON content type to given handler.

Serializes result with JSON serializer and sends JSON as response body.

Returns Bytes of JSONised response

Return type bytes

`tcrudge.response.`**`response_msgpack`**(*handler*, *response*)

Optional MSGPACK response.

Sets MSGPACK content type to given handler.

Packs response with MSGPACK.

Returns Bytes of MSGPACK packed response

Return type bytes

CHAPTER 7

Module contents

Simple async CRUDL framework based on Tornado and Peewee ORM.

Validates input using JSON-schema.

Supports JSON and MessagePack responses.

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