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# mango Documentation

*Release 0.1.6*

Imk

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Contents: Mango

A wrapper module that provides simple basic MongoDB operations.

date: 2016-12-19 license: MIT

changes:

#### 2017-09-08

- Changed pattern: modular to object oriented which make available to connect multiple databases
- Version bumped: 0.2

#### 2016-12-19

- web2py DAL support
- development started
- stable release
- Version bumped: 0.1.7

**class** `mango.Mango` (*uri=None*)

PyMongo Wrapper: Mango

**count** (*table\_name, cond=None, \*\*kwargs*)

MongoDb count wrapper function.

**Args:** *table\_name* ([type]): [description] *cond* ([type], optional): Defaults to None. [description]

**Returns:** [type]: [description]

**delete** (*table\_name, cond=None, is\_many=False, \*\*kwargs*)

MongoDb delete wrapper function.

**Args:** *table\_name* ([type]): [description] *cond* ([type], optional): Defaults to None. [description] *is\_many* (bool, optional): Defaults to False. [description]

**Returns:** [type]: [description]

**get\_table** (*table\_name*)

Get the table object by *table\_name*.

**Args:** *table\_name* ([type]): [description]

**Returns:** [type]: [description]

**insert** (*table\_name, value=None, is\_many=False, \*\*kwargs*)

MongoDb insert wrapper function.

**Args:** *table\_name* ([type]): [description] *value* ([type], optional): Defaults to None. [description] *is\_many* (bool, optional): Defaults to False. [description]

**Returns:** [type]: [description]

**select** (*table\_name, cond=None, is\_many=False, to\_web2py\_id=False, \*\*kwargs*)

MongoDb find wrapper function.

**Args:** *table\_name* ([type]): [description] *cond* ([type], optional): Defaults to None. [description] *is\_many* (bool, optional): Defaults to False. [description] *to\_web2py\_id* (bool, optional): Defaults to False. [description]

**Returns:** [type]: [description]

**update** (*table\_name, cond=None, value=None, is\_many=False, operator='\$set', \*\*kwargs*)

MongoDb update wrapper function.

**Args:** table\_name ([type]): [description] cond ([type], optional): Defaults to None. [description] value ([type], optional): Defaults to None.

If operator is provided in *value*, *operator* argument will be ignored.

is\_many (bool, optional): Defaults to False. [description] operator (str, optional): Defaults to “\$set”. [description]

**Returns:** [type]: [description]

`mango.encoding_handler (value, encoding='utf8')`  
To handle string encoding.

**Returns:** [type]: [description]

`mango.object_id (arg=None)`  
Convert input to a valid MongoDB ObjectId instance. `object_id("<random>")` -> ObjectId (not unique) instance  
REF: web2py's dal

**Args:** arg ([type], optional): Defaults to None. [description]

**Raises:** ValueError: Invalid ObjectId argument string ValueError: Invalid ObjectId. Requires an integer or base 16 value TypeError: object\_id argument must be of type ObjectId or an objectid

representable integer.

**Returns:** ObjectId: MongoDB ObjectId

`mango.to_w2p_id (records, to_web2py_id=False, to_str=True)`  
Convert ObjectId of records to web2py compatible ID.

**Args:** records ([type]): [description] to\_web2py\_id (bool, optional): Defaults to False. [description] to\_str (bool, optional): Defaults to True. [description]

**Returns:** [type]: [description]

`mango.w2p_id (arg=None, to_str=True)`  
Convert ObjectId to web2py ID.

REF: web2py's dal

**Args:** arg ([type], optional): Defaults to None. [description] to\_str (bool, optional): Defaults to True. [description]

**Raises:** TypeError: [description]

**Returns:** [type]: [description]

# CHAPTER 1

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## Indices and tables

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