Watson - Validators

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Validate and verify arbitrary values.

CHAPTER 1

Build Status

CHAPTER 2

Installation

```
pip install watson-validators
```

CHAPTER 3

Testing

Watson can be tested with py.test. Simply activate your virtualenv and run `python setup.py test`.

CHAPTER 4

Contributing

If you would like to contribute to Watson, please feel free to issue a pull request via Github with the associated tests for your code. Your name will be added to the AUTHORS file under contributors.

CHAPTER 5

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5.1 Reference Library

5.1.1 watson.validators.numeric

class `watson.validators.numeric.`**`Range`**(*min=None, max=None, message=”’{value}” is not between {min} and {max}’*)

Validates the length of a string.

Example:

```
validator = Length(1, 10)
validator(’Test’)  # True
validator(’Testing maximum’)  # raises ValueError
```

`__init__`(*min=None, max=None, message=”’{value}” is not between {min} and {max}’*)

5.1.2 watson.validators.string

class `watson.validators.string.`**`Csrf`**(*token=None, message=’Cross-Site request forgery attempt detected, invalid token specified “{token}”’*)

Validates a csrf token.

Example:

```
validator = Csrf()
validator(’submitted token’)
```

`__init__`(*token=None, message=’Cross-Site request forgery attempt detected, invalid token specified “{token}”’*)

class `watson.validators.string.`**`Length`**(*min=-1, max=-1, message=”’{value}” does not meet the required length’*)

Validates the length of a string.

Example:

```
validator = Length(1, 10)
validator(’Test’)  # True
validator(’Testing maximum’)  # raises ValueError
```

`__init__`(*min=-1, max=-1, message=”’{value}” does not meet the required length’*)

Initializes the validator.

Min, max, length are interpolated into the message.

Parameters

- **min** (*int*) – The minimum length of the string.
- **max** (*int*) – The maximum length of the string.
- **message** (*string*) – The message to be used if the validator fails.

class `watson.validators.string.`**`RegEx`**(*regex, flags=0, message=”’{value}” does not match pattern “{pattern}”’*)

Validates a value based on a regular expression.

Example:

```
validator = RegEx('Match')
validator('Match')  # True
validator('Other')  # raises ValueError
```

`__init__`(*regex, flags=0, message=”’{value}” does not match pattern “{pattern}”’*)

class `watson.validators.string.`**`Required`**(*message=’Value is required’*)

Validates whether or not a value exists.

Example:

```
validator = Required()
validator('Test')  # True
validator('')  # raises ValueError
```

`__init__`(*message=’Value is required’*)

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